iMediaTouch

Version 4 User Guide

Logger

Revised June 2010

V4 Logger

© 2010 OMT Technologies

This manual is copyrighted by OMT Technologies Inc. (OMT) with all rights reserved. Under the copyright laws, this manual may not be reproduced in any form, in whole or in part, without prior written consent of OMT.

Disclaimer

OMT Technologies Inc. has reviewed this manual thoroughly in order to make it an easy to use guide. All statements, technical information, and recommendations in this guide and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representations or warranties concerning the products described.

This product has been sold to you subject to the limited warranties set forth in the warranty and license agreement enclosed with the respective products. Further, OMT reserves the right to make changes in the specifications of the products described in this guide at any time without notice and without obligation to notify any person of such changes.

Trademarks

LX-44, SC2000, BX-12 and Antex are registered trademarks of Antex Electronics.

VX222, VX820 and Digigram are registered trademarks of Digigram.

MPEG is a trademark of Qdesign.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson Multimedia.

Microsoft, MS, Windows and MS-DOS are registered trademarks of Microsoft Corporation.

Netware is a trademark of Novell Corporation.

Certain features of this software use software that is delivered under the LGPL license. This license can be found at http://www.gnu.org/licenses/lgpl.html.

CD ripping uses the AKRIP library. Source code can be found at http://akrip.sourceforge.net.

ID3 identification uses the ID3LIB library. Source code can be found at http://id3lib.sourceforge.net.

All other product names are copyright and registered trademarks/trade names of their respective owners.

Printed: November 2010 in Canada

Document Version: 1.0.0

Publisher
OMT Technologies Inc.

Technical/Graphics
Rick Landry

Special Thanks

Special thanks goes out to all of our customers who contributed their time and effort into helping us create this document.

Table of Contents

Part I V4 Logger User Guide 1

1 Overview 2
2 Requirements 3
3 Installation 5
4 New Features 15
- Repeat Recording Every Hour 16
- Allow Multiple Closures per Recording 17
- Delayed Broadcast 18
- E Series Wheatstone AOIP Interface Module 21
- AXIA AoIP Systems Interface Module 22

5 Configuration 24
6 Feed Creation 41
7 Schedule Creation 52
8 Histogram 59
9 Event Log 60
10 Inventory 62
11 Appendices 64
- DIO 24H PCI Closure Card 65
- Broadcast Tools GPI - 32 USB Closure Device 84
- Broadcast Tools SS4.2/SS8.2 Switcher 97
- WDT 500 "Watchdog" Card 123

© 2010 OMT Technologies

1 V4 Logger User Guide

70 channel competition monitoring Logger courtesy of OMT Technologies

© 2010 OMT Technologies

1.1 Overview

Version 4 LOGGER

Overview:

Welcome To the Version 4 Logger Guide.

Version 4 represents the 6th generation of Broadcast Software from OMT Technologies.

As always, your feedback is important to us. Please refer to the following contact list for sales, support and product information.

QA/Product Development:

Rick Landry
rlandry@imediatouch.com

Sales/Operations Manager:

Jackie Tetlock
jtetlock@imediatouch.com

Support Administration:

Brenda Barteaux
bmalash@imediatouch.com

OMT Support
800-726-2635

General Office Line
888-665-0501

FAX:
204-783-5805

© 2010 OMT Technologies

1.2 Requirements

Version 4 LOGGER

Requirements:

Computer

Description	Minimum	Recommended
CPU	P4 1.5 GHz	P4 2.0 GHz
RAM	512 MB	1 GB
Screen Resolution	1024 X 768	1280 X 1024
Video	*	Non-Onboard
Hard Drive space	250 MB	>250 MB

Screen Resolution is 1280 x 1024 in Version 4.x. ONAIR and ONAIR applications. The minimum hard drive space requirement is now 250 MB. Previous screen resolution in 3.x and older was 1024 x 768 (for ONAIR) and the minimum hard drive space was 50 MB.

Supported OS

Operating System	Type of Computer
Win XP PRO 32 bit	Workstation

All Media Touch applications running on a workstation require WIN XP PRO at this time. Database and audio assets that reside on a central server may run 32 or 64 bit server OS based on RAID driver compatibility.

Sound Cards/Devices

Manufacturer	Model	Driver
Audio Science	5000/8000 series	WDM
MOTU	2408/826/896/24 I/O	WDM
Delta	44/66/1010	WDM
DigiGram	VX 222/442/822	WDM
Antex	LX 44, BX 12. SC 2000	WDM
Lynx	Lynx II, AES 16	WDM
ECHO	Layla 3G, Mia	WDM
Orban	1100	WDM
Realtek/Onboard	All	WDM

OMT Software applications will support a wide variety of audio cards provided they have a valid WDM driver. Multiple cards can be installed using ASI, MOTU and Antex only at the time. Contact OMT Support if you do not see your sound device listed.

© 2010 OMT Technologies

Version 4 LOGGER

Requirements - Continued:

Other

It is recommend having two hard drives in all Media Touch workstations. This allows a separate drive/array for audio storage and access. A RAID 5 storage array is recommended for dedicated audio servers and 8 and 12 channel Logger applications. ONAIR computers acting as a server may also require a RAID 5 array based on the amount of recording or Production units.

***** Onboard video may not provide satisfactory performance based on the manufacturer chipset. It is recommended to use a separate PCI-X or other video card as it will provide better performance versus onboard video. Most onboard video will perform satisfactorily based on the later video chipset available.

© 2010 OMT Technologies

1.3 Installation

Version 4 LOGGER

Installation:

ftp site information:

Every Media Touch client has an ftp account created with a software purchase. The ftp site, username, and password are sent out to client provided contact information. If you do not have your ftp account information or cannot locate, simply contact OMT Support or Support Administration to obtain.

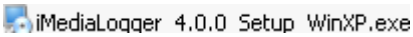
The ftp site is: ftp://support.imediatouch.com

Once you have successfully logged onto the site, locate the iMediatouch_V4 folder and download all applicable software that you have purchased. You may download all available software if you desire as all software products have a 60 day trial installer.

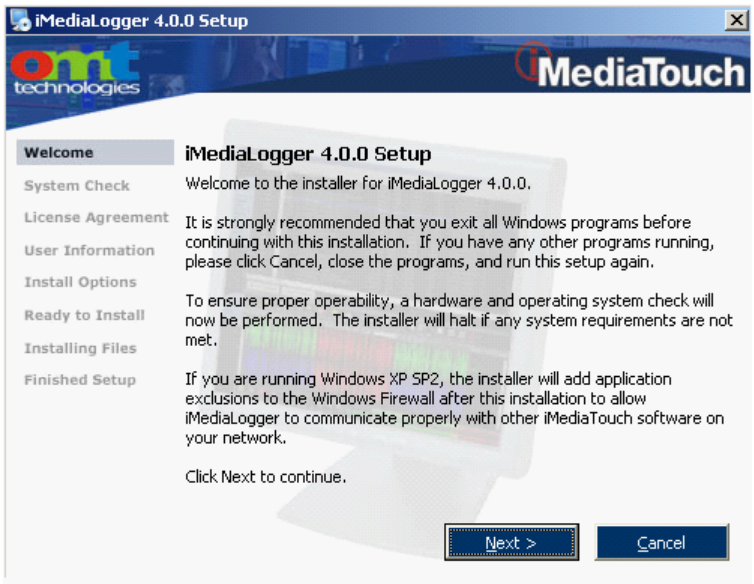
Create a folder on your central audio server or ONAIR workstation acting as a server called “OMT Programs”. Download the software installers (.exe) of the iMediaTouch_V4 folder to this location. Placing the installers on the storage array of your central server or ONAIR workstation allows for the installation of the software to any workstation.

Installation:

Double click on the iMediaLogger_4.0.0_Setup.exe installer.



You will see the Welcome Screen.

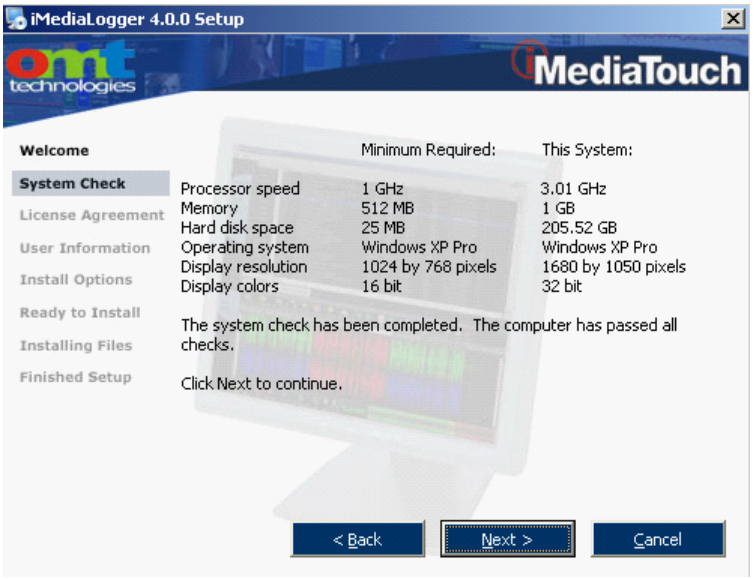

iMediaLogger 4.0.0 Setup
omt technologies
iMediaTouch
Welcome
System Check
License Agreement
User Information
Install Options
Ready to Install
Installing Files
Finished Setup
iMediaLogger 4.0.0 Setup
Welcome to the installer for iMediaLogger 4.0.0.
It is strongly recommended that you exit all Windows programs before continuing with this installation. If you have any other programs running, please click Cancel, close the programs, and run this setup again.
To ensure proper operability, a hardware and operating system check will now be performed. The installer will halt if any system requirements are not met.
If you are running Windows XP SP2, the installer will add application exclusions to the Windows Firewall after this installation to allow iMediaLogger to communicate properly with other iMediaTouch software on your network.
Click Next to continue.
Next >
Cancel

© 2010 OMT Technologies

Version 4 LOGGER

Installation - Continued:

If your computer passes the minimum requirement screen, the “Next” button will be available. The System Check will fail the installation if the requirements are not met.



Select the “I agree to the terms of this license agreement” once you have reviewed.

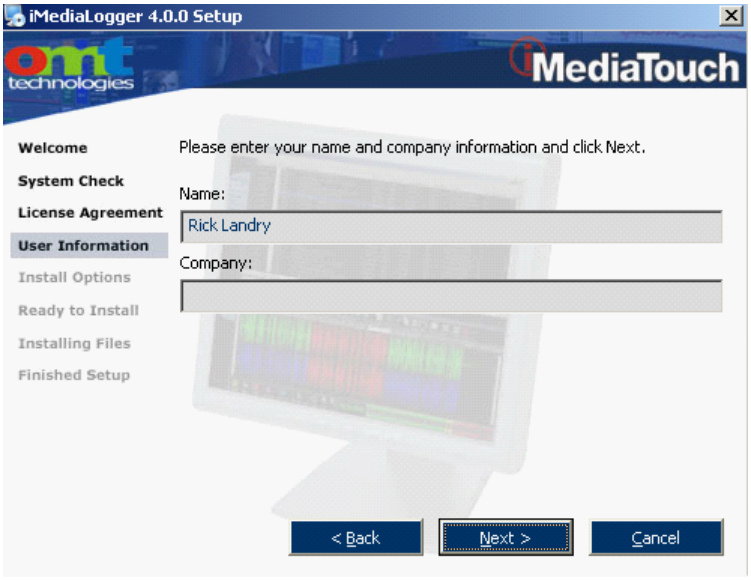
iMediaLogger 4.0.0 Setup
omt technologies
MediaTouch
Welcome
System Check
License Agreement
User Information
Install Options
Ready to Install
Installing Files
Finished Setup
SOFTWARE LICENSE AGREEMENT
IMPORTANT - YOU ("CUSTOMER") SHOULD CAREFULLY READ THE FOLLOWING SOFTWARE LICENSE AGREEMENT BEFORE INSTALLING AND USING THIS SOFTWARE. BY INSTALLING AND USING THIS SOFTWARE, YOU AGREE TO BE LEGALLY BOUND BY THE TERMS AND CONDITIONS OF THIS SOFTWARE LICENSE AGREEMENT. IF YOU DO NOT ACCEPT THESE TERMS, DO NOT INSTALL OR USE THIS SOFTWARE. RETURN IT, ALONG WITH ALL ASSOCIATED ITEMS WITHIN 10 DAYS TO OMT TECHNOLOGIES INC., UNIT 1, 1555 DUBLIN AVE., WINNIPEG, MANITOBA, CANADA R3E 3M8
1. Permitted Use. OMT Technologies Inc. ("OMT") hereby grants to Customer a site-specific, non-transferrable, non-exclusive
I agree to the terms of this license agreement
I do not agree to the terms of this license agreement
< Back
Next >
Cancel

© 2010 OMT Technologies

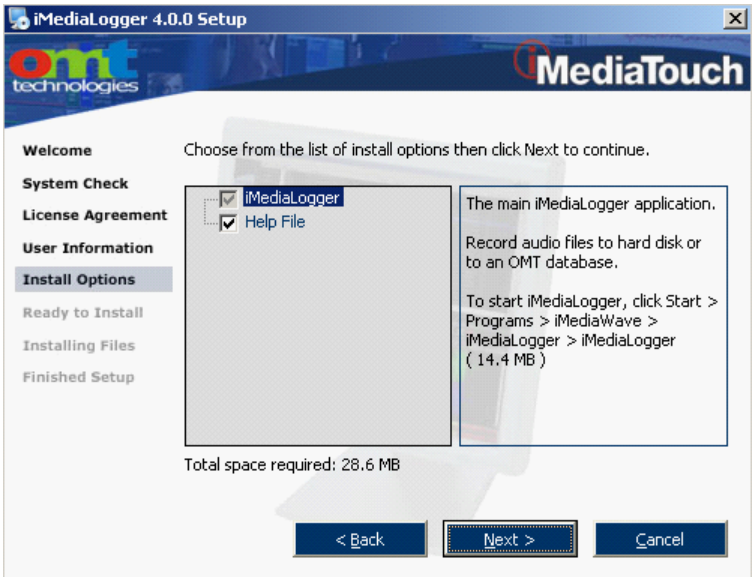
Version 4 LOGGER

Installation - Continued:

Place the appropriate user information into the corresponding fields.



The help file will install by default from the Install Options page.

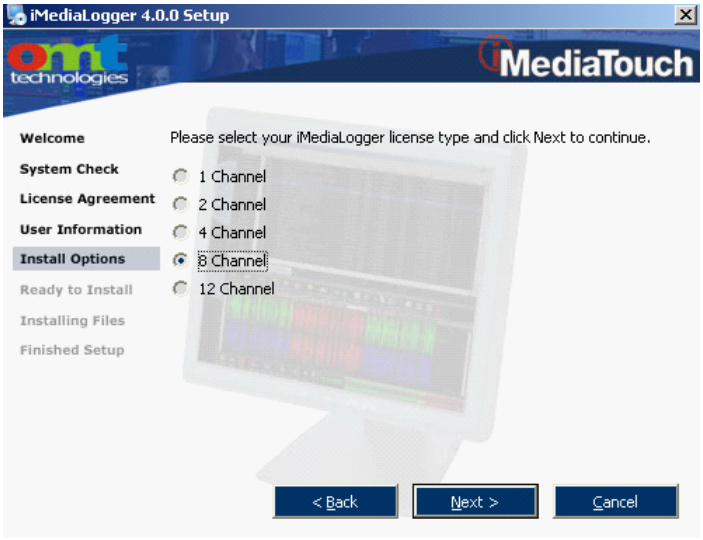


© 2010 OMT Technologies

Version 4 LOGGER

Installation - Continued:

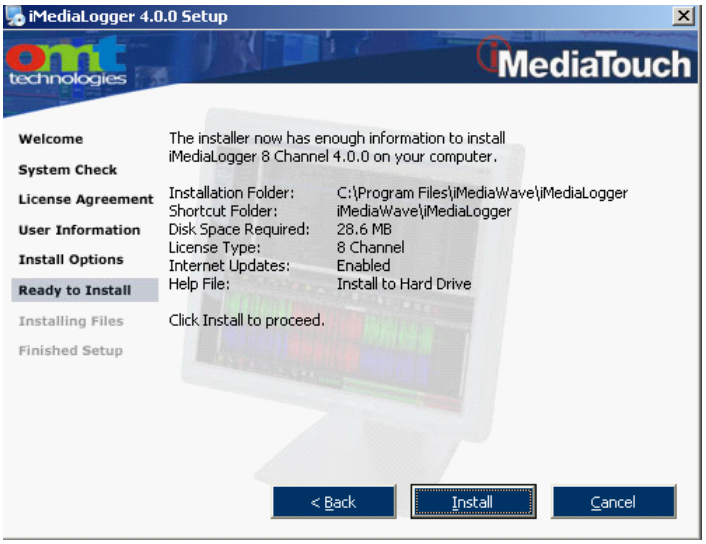
Select number of Logger channels based on your purchase from the Install Options page.



8 and 12 Channel Logger applications can use a significant amount of CPU and RAM from your computer and there is a warning screen that will appear reminding the user based on the 8 or 12 channel selection form the Install Options screen. Select OK when ready.

Minimum System Requirements
You have selected to install the iMediaLogger 8 Channel version.
Please note that the minimum system requirements for iMediaLogger are based on 1 to 4 channel versions.
If you will be using all 8 channels on this workstation, make sure your hardware can support it.
OK

The Ready to Install screen will now appear. Select “Install when ready.

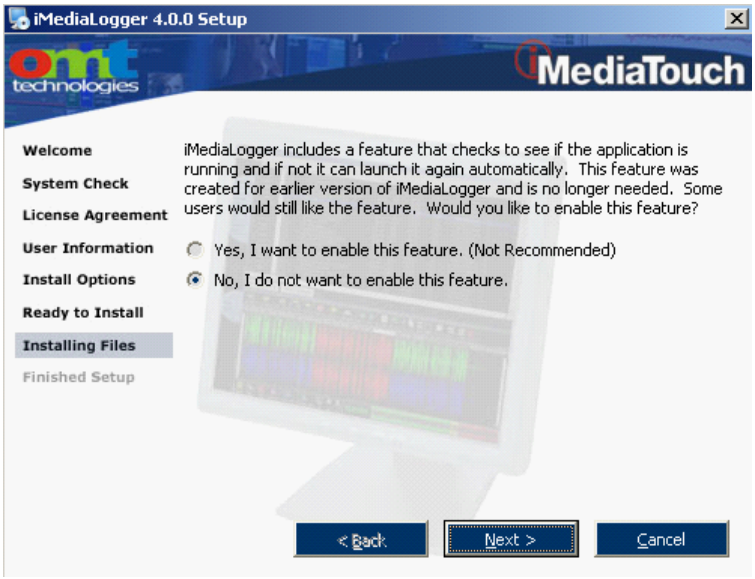


© 2010 OMT Technologies

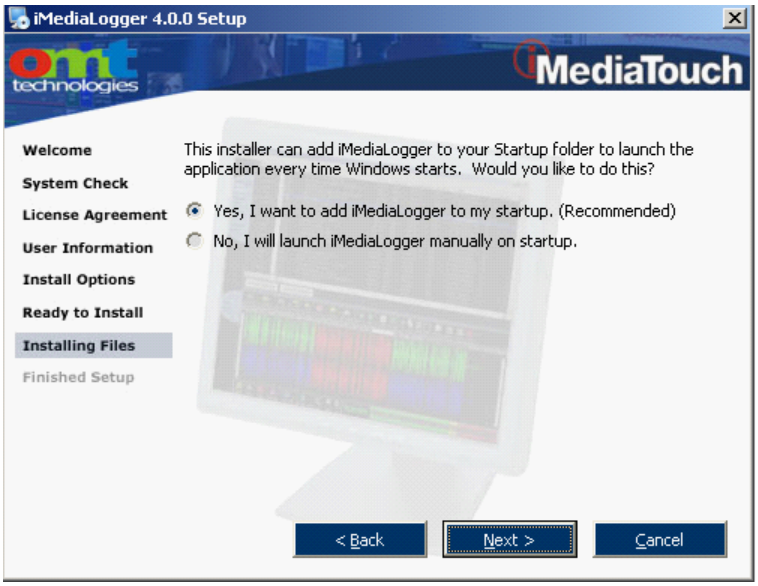
Version 4 LOGGER

Installation – Continued:

Logger has a utility called the “Watcher” that will detect the loss of the Logger.exe and restart if required. This feature is turned off by default and is not normally required. Select “Next” when ready.


iMediaLogger 4.0.0 Setup
omt technologies
iMediaTouch
Welcome
System Check
License Agreement
User Information
Install Options
Ready to Install
Installing Files
Finished Setup
iMediaLogger includes a feature that checks to see if the application is running and if not it can launch it again automatically. This feature was created for earlier version of iMediaLogger and is no longer needed. Some users would still like the feature. Would you like to enable this feature?
Yes, I want to enable this feature. (Not Recommended)
No, I do not want to enable this feature.
< Back
Next >
Cancel

You can add Logger to your start by selecting the appropriate start up selection. Select “Next” when complete.

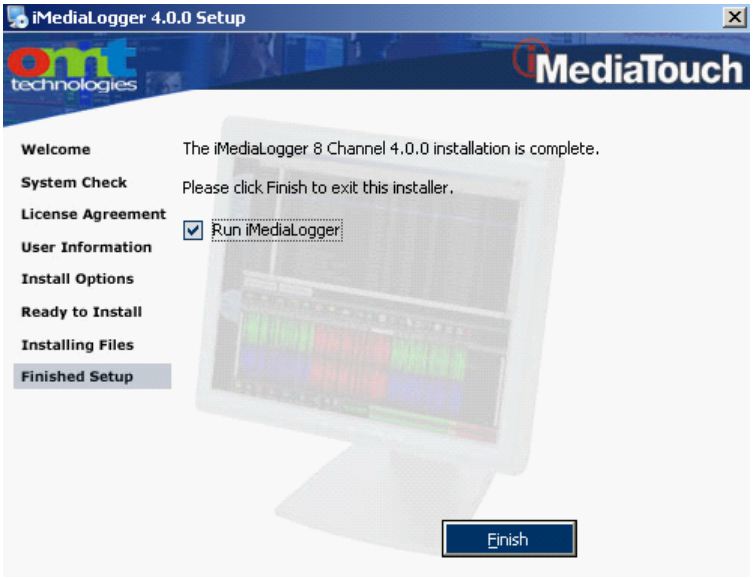

iMediaLogger 4.0.0 Setup
omt technologies
iMediaTouch
Welcome
System Check
License Agreement
User Information
Install Options
Ready to Install
Installing Files
Finished Setup
This installer can add iMediaLogger to your Startup folder to launch the application every time Windows starts. Would you like to do this?
Yes, I want to add iMediaLogger to my startup. (Recommended)
No, I will launch iMediaLogger manually on startup.
< Back
Next >
Cancel

© 2010 OMT Technologies

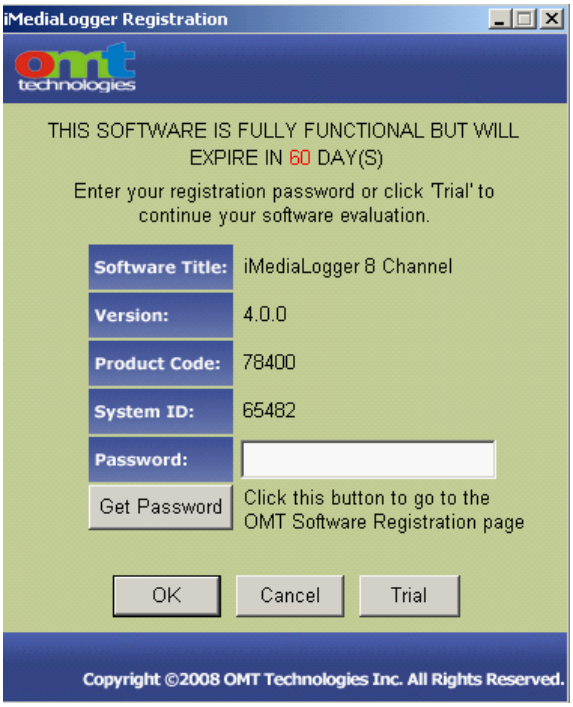
Version 4 LOGGER

Installation – Continued:

Enable the “Run iMediaLogger” by selecting to place a check mark in the box if you wish to run immediately following the installation and selecting “Finish”.



You have 60 days upon installation to register your software. If you have Internet access, you can click on the “Get Password” button from the splash screen. You can also register your software at www.imediatouch.com and click on the “Support” tab.


iMediaLogger Registration
omt technologies
THIS SOFTWARE IS FULLY FUNCTIONAL BUT WILL EXPIRE IN 60 DAY(S)
Enter your registration password or click 'Trial' to continue your software evaluation.
Software Title: iMediaLogger 8 Channel
Version: 4.0.0
Product Code: 78400
System ID: 65482
Password:
Get Password
Click this button to go to the OMT Software Registration page
OK
Cancel
Trial
Copyright ©2008 OMT Technologies Inc. All Rights Reserved.

© 2010 OMT Technologies

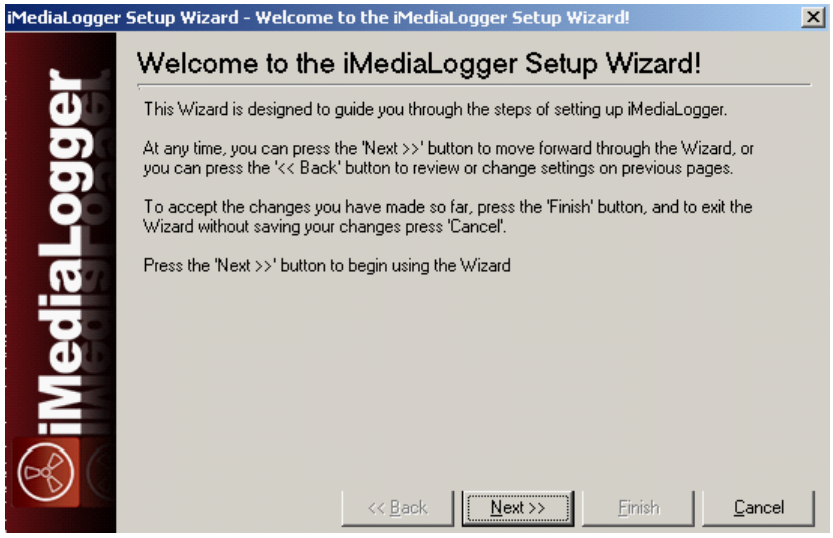
Version 4 LOGGER

Installation – Continued:

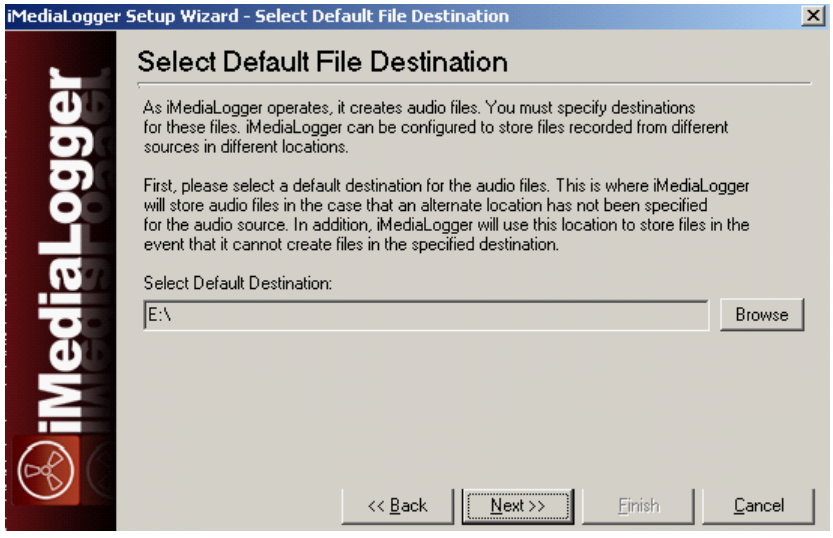
Setup Wizard

If you are upgrading from any existing version of Logger that is higher than 2.5.6 then clicking on "Trial" or registering your software and clicking "Next" will start the Logger application as expected.

If this is a new installation of Logger then clicking on "Trial" or registering your software and clicking "Next" will start the "Setwiz.exe utility as displayed below. Select "Next" when ready.


iMediaLogger Setup Wizard - Welcome to the iMediaLogger Setup Wizard!
iMediaLogger
Welcome to the iMediaLogger Setup Wizard!
This Wizard is designed to guide you through the steps of setting up iMediaLogger.
At any time, you can press the 'Next >>' button to move forward through the Wizard, or you can press the '<< Back' button to review or change settings on previous pages.
To accept the changes you have made so far, press the 'Finish' button, and to exit the Wizard without saving your changes press 'Cancel'.
Press the 'Next >>' button to begin using the Wizard
<< Back
Next >>
Finish
Cancel

The Default File location should always be the storage drive or array as this is where the audio files for local recordings will be stored. Use the "Browse" button to view a suitable drive location through Windows Explorer. You can change these values later on if you are undecided. Select "Next" when complete.


iMediaLogger Setup Wizard - Select Default File Destination
iMediaLogger
Select Default File Destination
As iMediaLogger operates, it creates audio files. You must specify destinations for these files. iMediaLogger can be configured to store files recorded from different sources in different locations.
First, please select a default destination for the audio files. This is where iMediaLogger will store audio files in the case that an alternate location has not been specified for the audio source. In addition, iMediaLogger will use this location to store files in the event that it cannot create files in the specified destination.
Select Default Destination:
E:\
Browse
<< Back
Next >>
Finish
Cancel

© 2010 OMT Technologies

Version 4 LOGGER

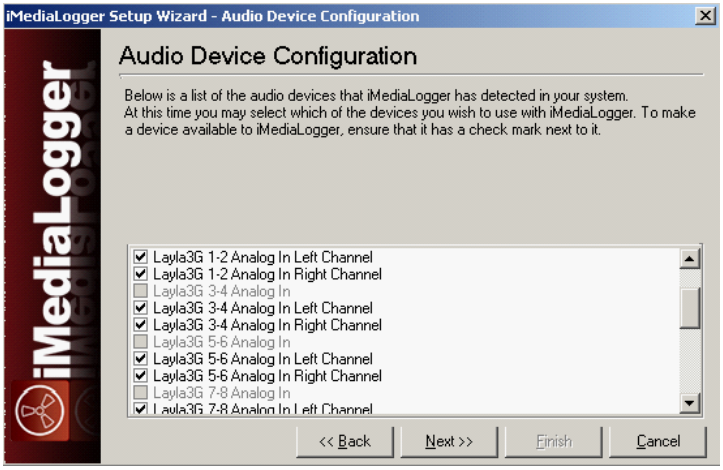
Installation – Continued:

Audio Device Configuration

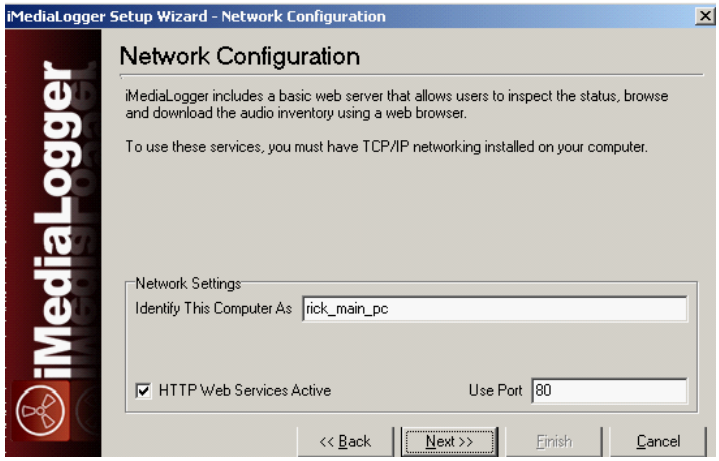
Select the appropriate channels from the Audio Device Configuration page. Each Logger channel can consist of a Stereo input channel, Left Channel, or the Right Channel. Only one of the before mentioned devices can be use for a Logger channel.

E.G. A single channel Logger does not allow three separate recording streams based on the availability of stereo, left, and right on each device. The user must define only one of the three available devices for the one channel Logger.

The screen shot below shows left/right channel selection for 4 stereo devices. In this example, I have installed an eight channel Logger and I am configuring 8 MONO channels for use. Click “Next” once you have selected the appropriate audio devices.


iMediaLogger Setup Wizard - Audio Device Configuration
iMediaLogger
Audio Device Configuration
Below is a list of the audio devices that iMediaLogger has detected in your system.
At this time you may select which of the devices you wish to use with iMediaLogger. To make a device available to iMediaLogger, ensure that it has a check mark next to it.
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 3-4 Analog In
Layla3G 3-4 Analog In Left Channel
Layla3G 3-4 Analog In Right Channel
Layla3G 5-6 Analog In
Layla3G 5-6 Analog In Left Channel
Layla3G 5-6 Analog In Right Channel
Layla3G 7-8 Analog In
Layla3G 7-8 Analog In Left Channel
<< Back
Next >>
Finish
Cancel

Network Configuration

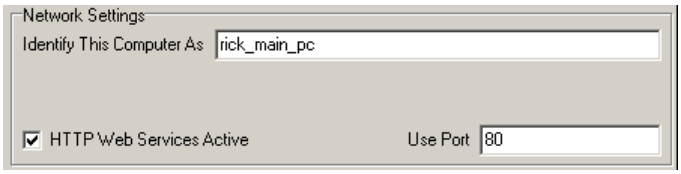

iMediaLogger Setup Wizard - Network Configuration
iMediaLogger
Network Configuration
iMediaLogger includes a basic web server that allows users to inspect the status, browse and download the audio inventory using a web browser.
To use these services, you must have TCP/IP networking installed on your computer.
Network Settings
Identify This Computer As
rick_main_pc
HTTP Web Services Active
Use Port
80
<< Back
Next >>
Finish
Cancel

© 2010 OMT Technologies

Version 4 LOGGER

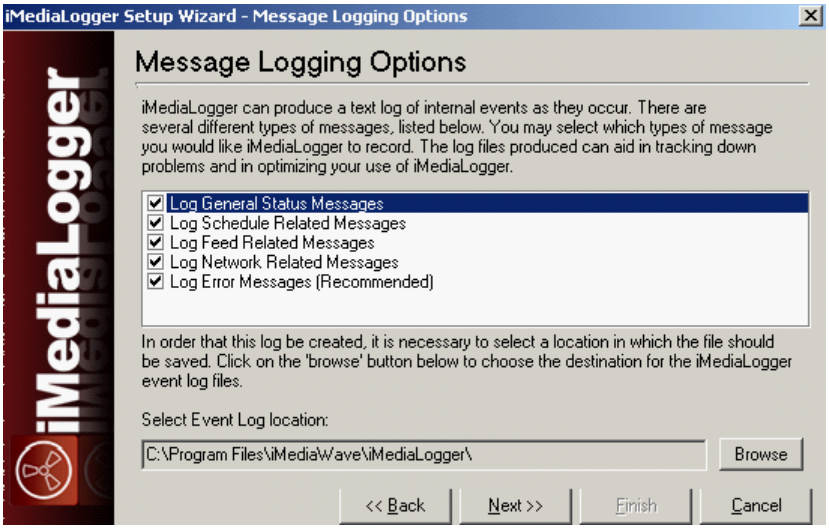
Installation – Continued:

The Network Configuration allows what name is to be displayed through the HTML Interface, what port to assign, and enabling the HTTP service in Logger.



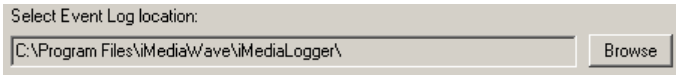
If you do not plan on using the HTML Interface simply uncheck the HTTP Web Services Active box. This will prevent anyone from accessing the Web Browser through Logger. The port value can be changed to any suitable or required value if you do not wish to use port 80. Click “Next” when complete.

Message Logging Options


iMediaLogger Setup Wizard - Message Logging Options
iMediaLogger
Message Logging Options
iMediaLogger can produce a text log of internal events as they occur. There are several different types of messages, listed below. You may select which types of message you would like iMediaLogger to record. The log files produced can aid in tracking down problems and in optimizing your use of iMediaLogger.
Log General Status Messages
Log Schedule Related Messages
Log Feed Related Messages
Log Network Related Messages
Log Error Messages (Recommended)
In order that this log be created, it is necessary to select a location in which the file should be saved. Click on the 'browse' button below to choose the destination for the iMediaLogger event log files.
Select Event Log location:
C:\Program Files\iMediaWave\iMediaLogger\
Browse
<< Back
Next >>
Finish
Cancel

It is always a good idea to enable all five error messaging options, especially with a new installation for troubleshooting purposes. Enabling all messaging will display messages showing closure tallies, IP addresses of people accessing the HTML page, schedule and device errors, etc. By default, only “Log Error Message” is enabled.

The Event Log location is set to the working folder for iMediaLogger. You can select the desired location (if different by selecting the “Browse” button and navigate through Windows Explorer to a suitable location.



Click “Next” when complete.

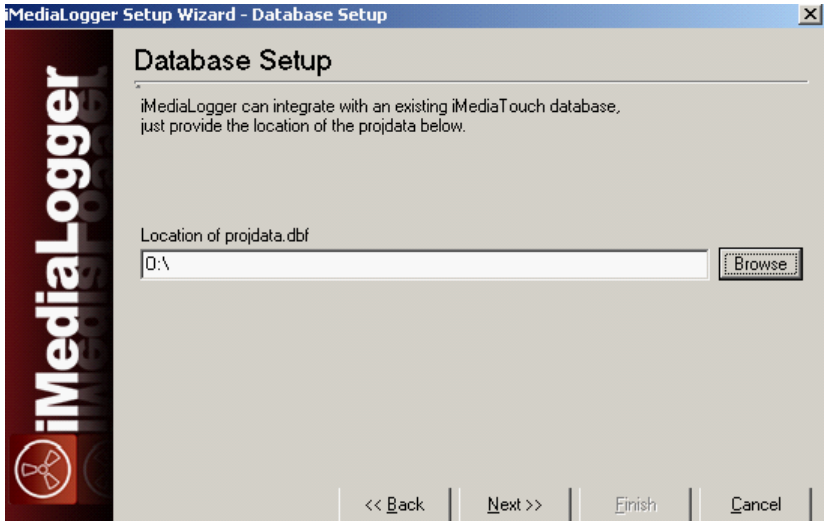
© 2010 OMT Technologies

Version 4 LOGGER

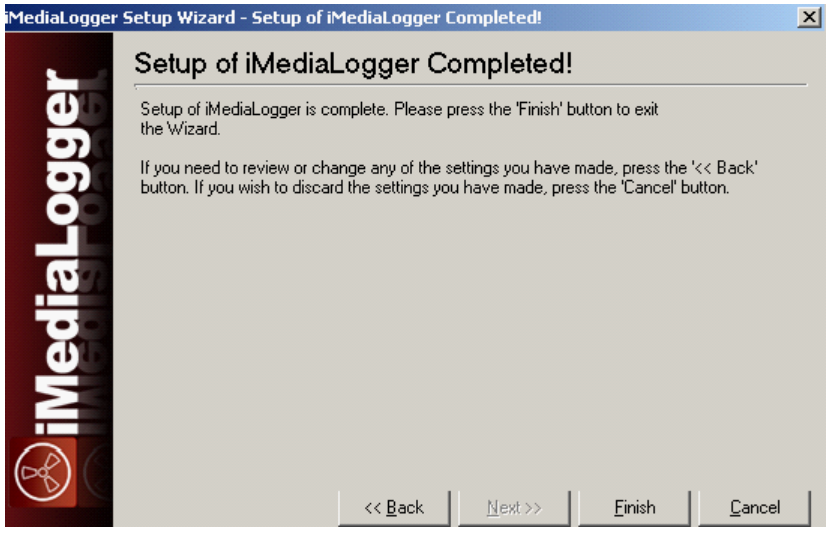
Installation – Continued:

Database Setup

The file location is only to be setup if you currently have an iMediaTouch system (ONAIR, MTP, MVT, etc.) and wish to record spots directly to the database via Logger. This will allow automated and scheduled playback of pre-recorded items through the Logger software. Leave this field blank if you are using your Logger as a stand alone unit or use a different radio broadcast software system. Click "Next" when complete.



To complete the setup wizard, click on the "Finish" button.


iMediaLogger Setup Wizard - Setup of iMediaLogger Completed!
Setup of iMediaLogger Completed!
Setup of iMediaLogger is complete. Please press the 'Finish' button to exit
the Wizard.
If you need to review or change any of the settings you have made, press the '<< Back'
button. If you wish to discard the settings you have made, press the 'Cancel' button.
<< Back
Next >>
Finish
Cancel

© 2010 OMT Technologies

1.4 New Features

V4 Logger

New Features :

There are several new features in the V4 Logger over 3.1.9 and previous versions.

- Repeat Recording Every Hour
- Allow Multiple Closures per Recording
- Delayed Broadcast
- E Series Wheatstone AOIP Audio and GPIO Interface
- AXIA AoIP Systems Interface

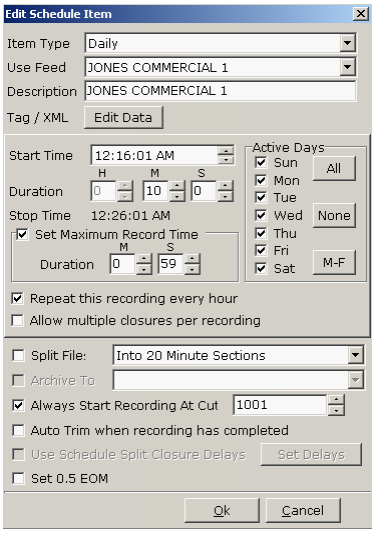
These new features have been requested by our clients and we are pleased to be able to provide this functionality. The Wheatstone and AXIA AOIP Interface is available for purchase in a separate module and is further covered in this user guide.

© 2010 OMT Technologies

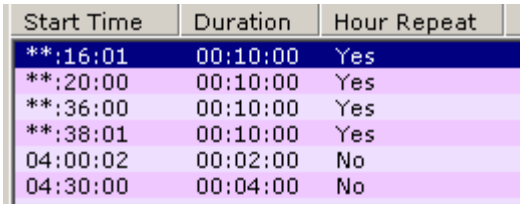
1.4.1 Repeat Recording Every Hour

“Repeat this recording every hour”

The repeat function will save a great deal of time and data entry since many top of hour spots such as News, Weather and Sports can now be entered (scheduled) once and enable the repeat this recording every hour box.



This feature will automatically set the recording schedule for the same time for each of the 24 hours and can be easily recognized in the Daily Scheduler window display when enabled with the double Asterisk.



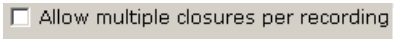
Start Time	Duration	Hour Repeat
**:16:01	00:10:00	Yes
**:20:00	00:10:00	Yes
**:36:00	00:10:00	Yes
**:38:01	00:10:00	Yes
04:00:02	00:02:00	No
04:30:00	00:04:00	No

© 2010 OMT Technologies

1.4.2 Allow Multiple Closures per Recording

“Allow Multiple Closures per Recording”

Allow Multiple Closures per Recording is convenient where multiple closure segment recording are required for a single scheduled feed event.



Example:

A Logger recorded event requires several closures to occur over time such as a scheduled mic skim. This feature will now allow multiple closures to occur over a set scheduled time.

© 2010 OMT Technologies

1.4.3 Delayed Broadcast

A new feature has been added to Logger (Version 4.1 and higher) called "Delayed Broadcast". This feature is designed to allow only the ONAIR application to play back a Logger file during recording. This is the only window of time where the .vis file from a Logger based recording cannot be updated is when the Logger is still recording an audio spot that the ONAIR application is actively playing. ONAIR can play back an audio spot that Logger is recording provided that the Logger has been recording the spot for a minimum of one minute and both "Delayed Cueing" in the ONAIR and "Delayed Broadcast" in the Logger schedule have been enabled.

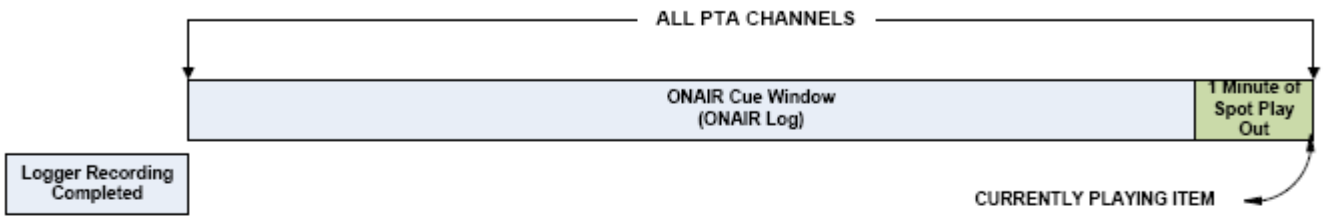
With Delayed Broadcast unchecked, the file cannot be shared (with applications other than ONAIR) and the Logger application has exclusive access to the recording.

The flow chart and screen shot on the following pages outline the theory and locations in both application on how to enable and setup.

© 2010 OMT Technologies

LOGGER AND ONAIR CONFIGURATION FOR RECORD/PLAY OUT
VERSION 3.1.12/4.1 AND HIGHER

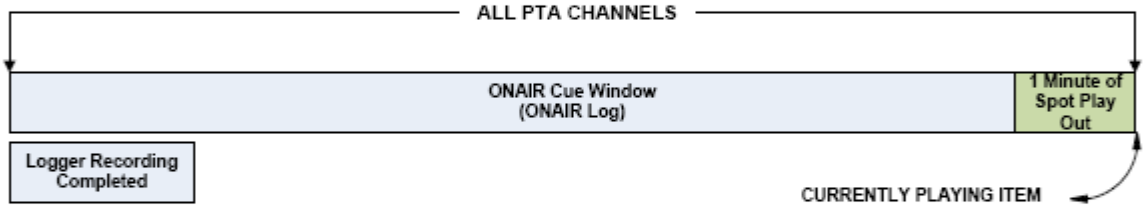
OPTION 1



ONAIR – DOES NOT REQUIRE DELAYED CUEING TO BE ENABLED SINCE LOGGER RECORDING IS COMPLETED OUTSIDE OF THE SPOT BEING "CUED" IN THE CUE OR LOG WINDOW.

LOGGER – DOES NOT REQUIRE DELAYED BROADCAST TO BE ENABLED SINCE AUDIO IS NOT BEING RECORDED THEN PLAYED OUT 1 MINUTE LATER FROM THE ONAIR

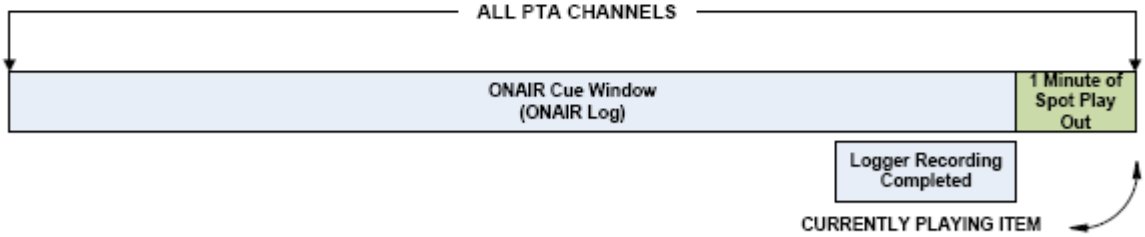
OPTION 2



ONAIR – REQUIRES DELAYED CUEING TO BE ENABLED SINCE LOGGER RECORDING HAS COMPLETED INSIDE THE SPOT BEING "CUED" IN THE CUE OR LOG WINDOW.

LOGGER – DOES NOT REQUIRE DELAYED BROADCAST TO BE ENABLED SINCE AUDIO IS NOT BEING RECORDED THEN PLAYED OUT 1 MINUTE LATER FROM THE ONAIR

OPTION 3



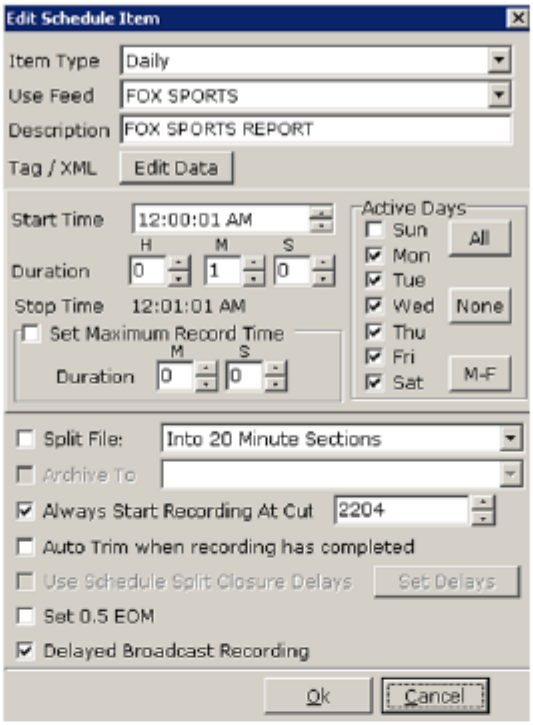
ONAIR – REQUIRES DELAYED CUEING TO BE ENABLED SINCE LOGGER RECORDING HAS COMPLETED INSIDE THE SPOT BEING "CUED" IN THE CUE OR LOG WINDOW.

LOGGER – REQUIRES DELAYED BROADCAST TO BE ENABLED SINCE AUDIO IS BEING RECORDED THEN PLAYED OUT 1 MINUTE LATER FROM THE ONAIR.

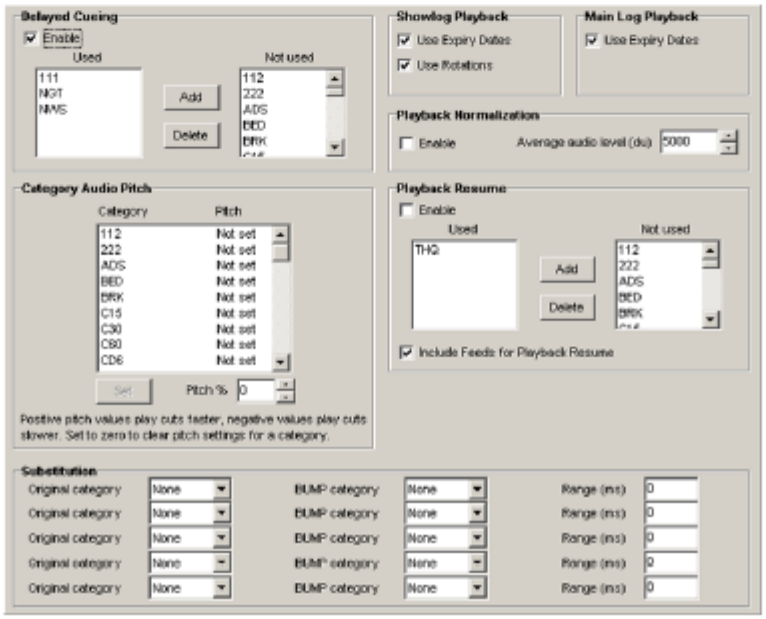
NOTE: LOGGER MUST RECORD FOR ONE MINUTE PRIOR TO PLAY OUT FROM THE ONAIR
"DELAYED BROADCAST" IN LOGGER APPLICATION IS ON OR ENABLED BY DEFAULT

© 2010 OMT Technologies

DELAYED BROADCAST RECORDING OPTION UNDER THE SCHEDULE TAB AND EDIT WINDOW.



DELAYED CUEING IN THE ONAIR WORKSTATION SETTINGS UNDER SECURITY LEVEL 3 AND PLAY OPTIONS.



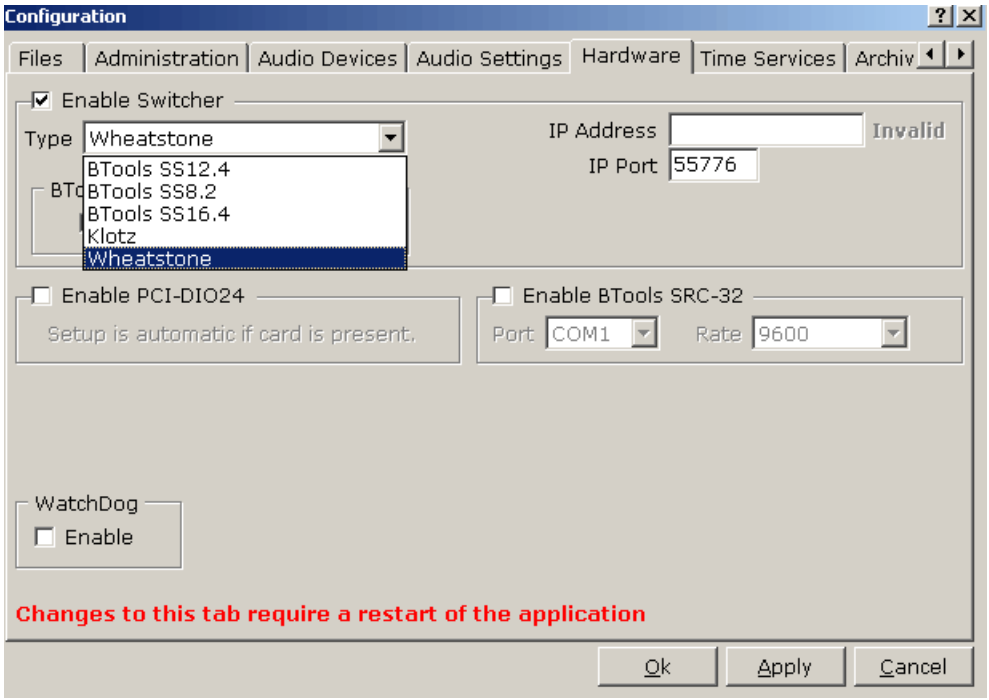
© 2010 OMT Technologies

1.4.4 E Series Wheatstone AOIP Interface Module

Version 4.1 of Logger and higher now have the ability to Interface both Audio and GPIO with the E Series (88a,d, and e) Wheatstone AOIP system.

A separate module/installer is now available and can be purchased through sales at sales@imediatouch.com or phone 888-665-0501.

Once the Wheatstone Interface module is installed, an additional device listing for the Wheatstone device will appear under the "Hardware" tab of the Logger Configuration page. The port is pre-defined and the user simply place the IP address of the Wheatstone "Blade" to provide communication.



© 2010 OMT Technologies

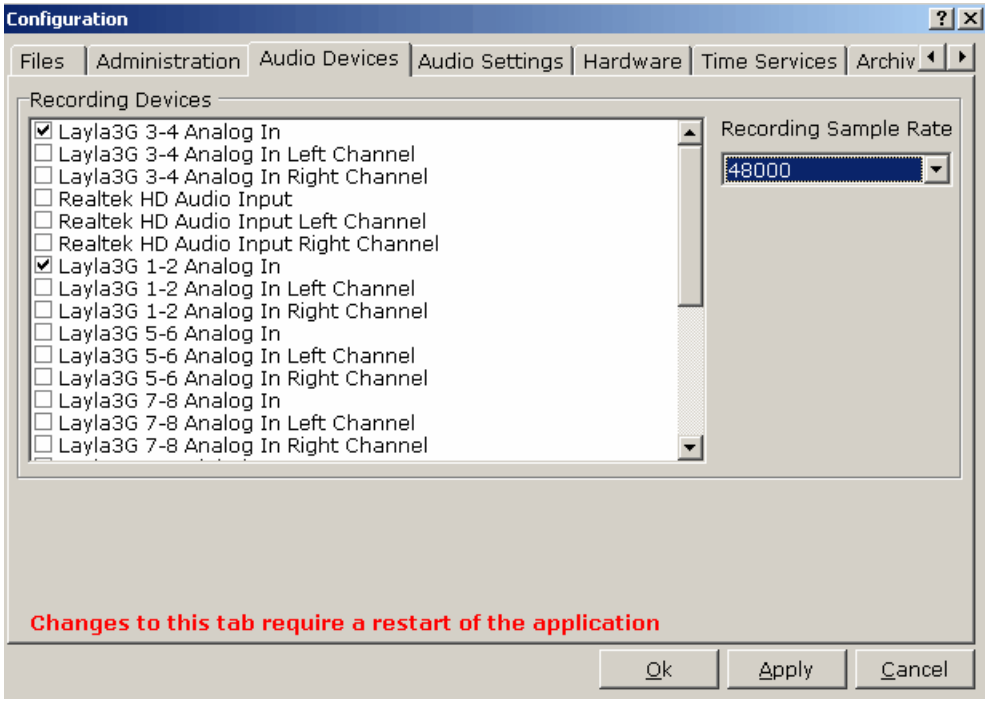
1.4.5 AXIA AoIP Systems Interface Module

Logger 4.1.2 and higher now have the ability to interface with both GPIO and audio routing the AXIA AoIP system.

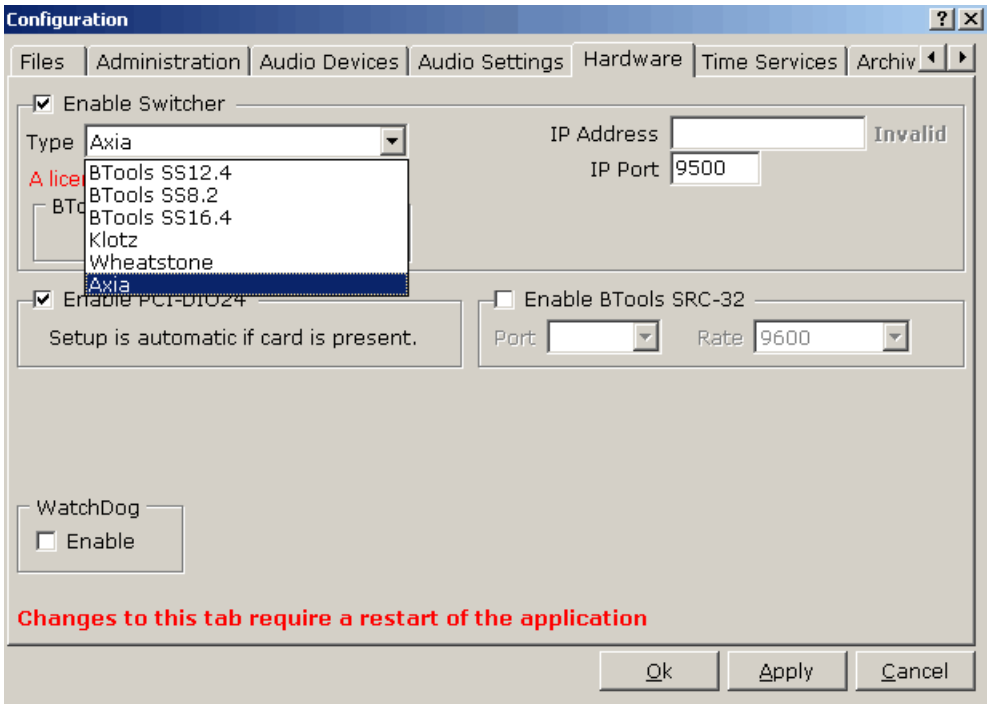
A separate module/installer is now available and can be purchased through sales at sales@imediatouch.com or phone 888-665-0501.

Once the AXIA Interface module is installed, an additional device listing for the AXIA device will appear under the "Hardware" tab of the Logger Configuration page. The port is pre-defined (9500) and the user simply place the IP address of the AXIA to provide communication.

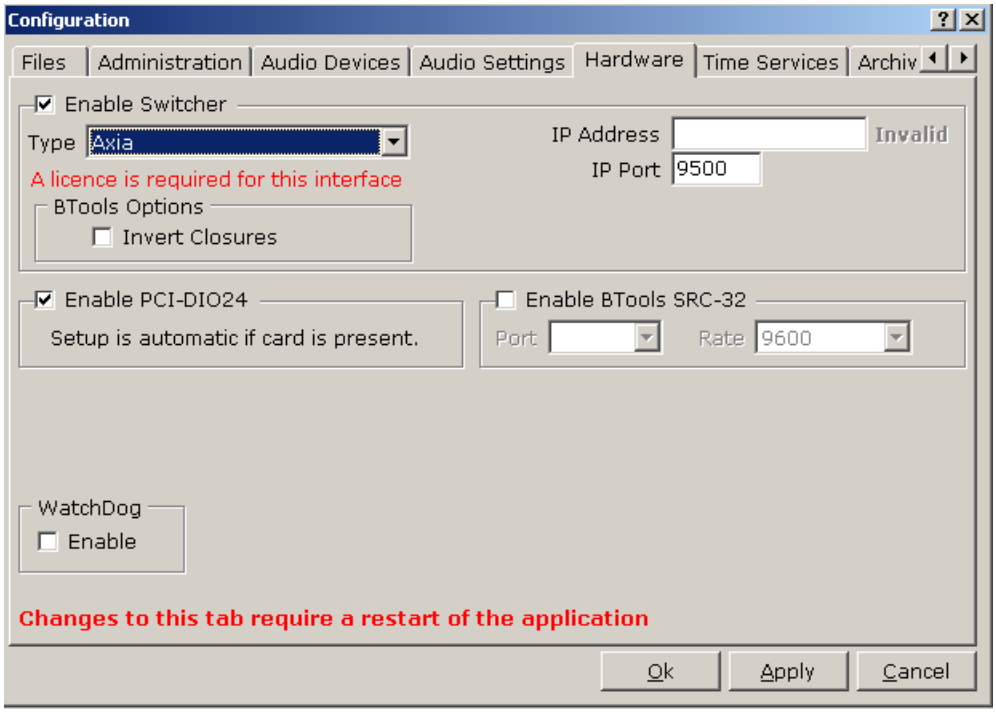
IMPORTANT: AXIA must be set to 48,000 Sample Rate under Audio Devices.



© 2010 OMT Technologies



NOTE: If you do not have a valid license you will not be able to use the AXIA Interface

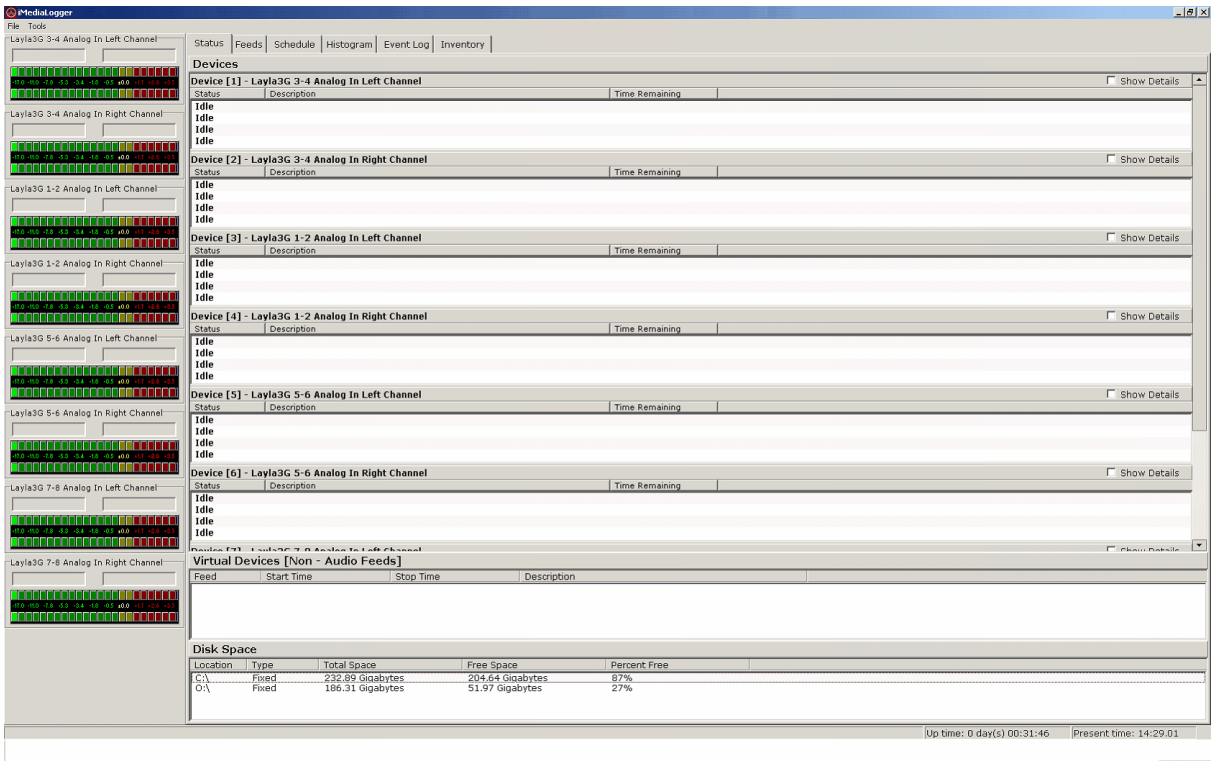


© 2010 OMT Technologies

1.5 Configuration

V4 Logger

Configuration :


MediaLogger
File Tools
Layla3G 3-4 Analog In Left Channel
Layla3G 3-4 Analog In Right Channel
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 5-6 Analog In Left Channel
Layla3G 5-6 Analog In Right Channel
Layla3G 7-8 Analog In Left Channel
Layla3G 7-8 Analog In Right Channel
Status Feeds Schedule Histogram Event Log Inventory
Devices
Device [1] - Layla3G 3-4 Analog In Left Channel
Device [2] - Layla3G 3-4 Analog In Right Channel
Device [3] - Layla3G 1-2 Analog In Left Channel
Device [4] - Layla3G 1-2 Analog In Right Channel
Device [5] - Layla3G 5-6 Analog In Left Channel
Device [6] - Layla3G 5-6 Analog In Right Channel
Show Details
Status
Description
Time Remaining
Idle
Virtual Devices [Non - Audio Feeds]
Feed
Start Time
Stop Time
Description
Disk Space
Location
Type
Total Space
Free Space
Percent Free
C:\ Fixed 232.89 Gigabytes 204.64 Gigabytes 87%
O:\ Fixed 186.31 Gigabytes 51.97 Gigabytes 27%
Up time: 0 day(s) 00:31:46
Present time: 14:29.01

The above screen shot shows the “Status” screen immediately following the start of the Logger software. The example displayed is an 8 channel version using an Echo Layla 3G 4 Stereo/8 mono audio device. Channels that are not viewable directly from the main status tab can be accessed by using the scroll bar on the right hand side of the screen. The “status” tab is the default main screen and displays current recording activity or inactivity. The audio devices/channels are displayed in the left hand column and each meter represents each channel of the Logger you have configured or purchased.

Example:

8 meters displayed in the left hand column would signify an 8 channel Logger. The meters are visible at all times regardless of the “tab” selected. If you have only configured 6 of the available 8 channels in an 8 channel Logger application, then only 6 meters will be displayed.

NOTE: The meters will only display activity under a scheduled record. The meters will not display any levels unless a feed and scheduled item has been created. It is recommended that a full time logging schedule is created when setting or adjusting levels on a specific feed element.

File

At the top right hand corner of the status (main) screen there is a “File” drop down that will allow the user to select “Exit” to quit the Logger program.

© 2010 OMT Technologies

V4 Logger

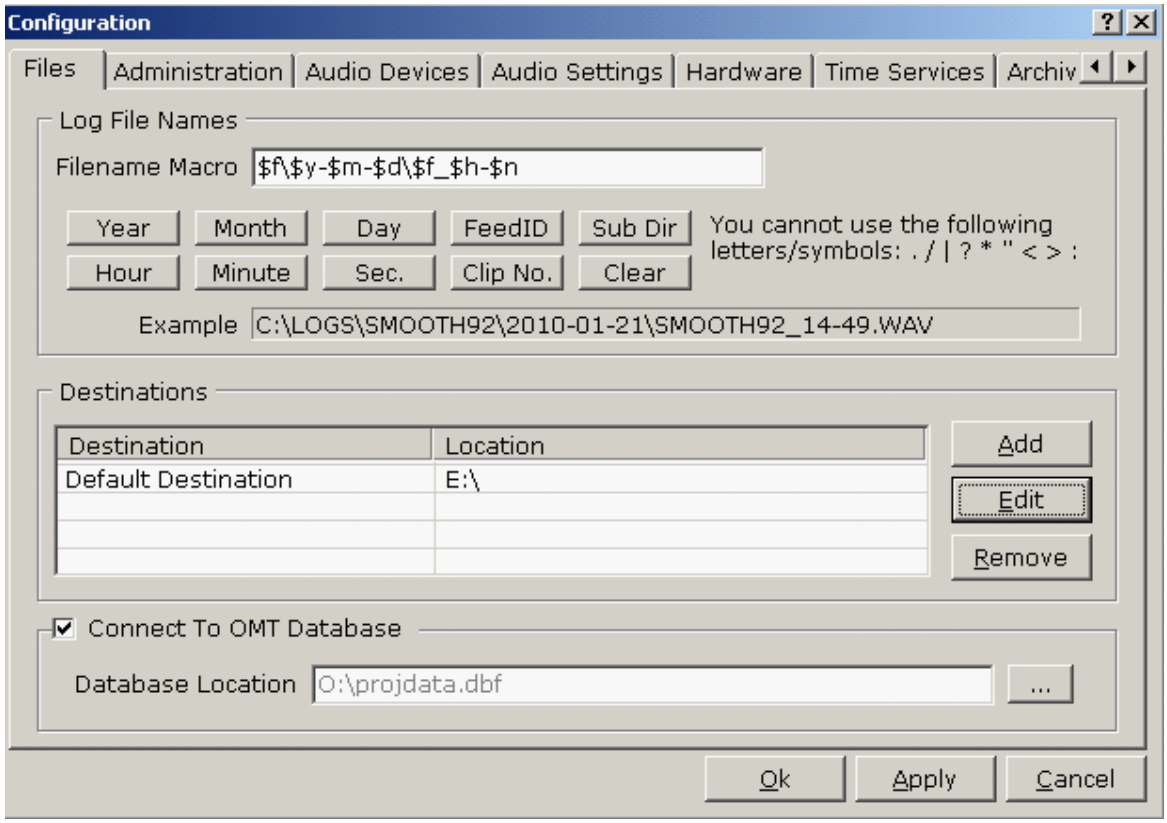
Configuration - Continued:

Tools

The Tools dropdown will allow the user to select between “Configuration” and “About”. The “About” drop down will display the version information of the Logger Software.

Configuration

The configuration window appears after you have selected “Tools” then “Configure” from the Logger main screen.



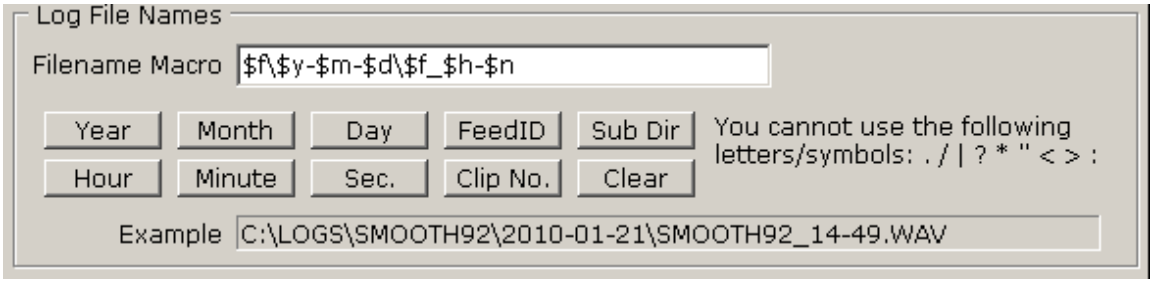
The first tab or page displayed from the Configuration window is the “Files” tab. Under Files, several options are available such as Log File Names, Destinations, and enabling the “Connect to OMT Database” including location path.

© 2010 OMT Technologies

V4 Logger

Configuration - Continued:

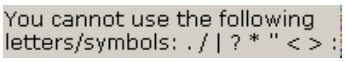
Log File Names



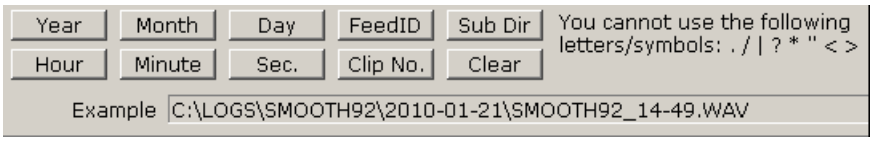
The default Log File Name is displayed in the above screen shot. The definitions of the characters are explained below:

$f = Feed ID
$y = Year
$m = Month
$d = Day
$h = Hour
$n = Clip No.
$s = Second
\ = Sub Dir
Clear = Removing all default or custom naming convention back to the default destination.

The list of invalid characters is displayed to the right hand side of the Log File Names window.



You can also create custom Log File Names by selecting the quick link buttons provided that each represents one of the functions that have been previously defined.



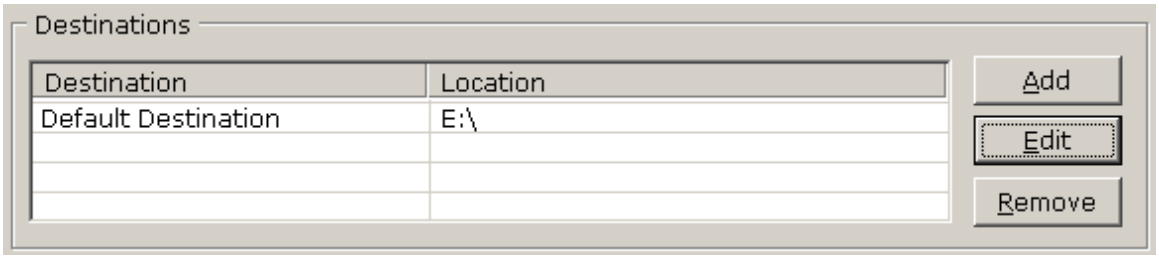
The corresponding path will be displayed under “Example” as demonstrated in the screen shot above. The path will change as you add or select new definition buttons. You can clear the default or custom Log File Name by selecting “Clear”. It is recommended that you use the pre-defined buttons to create a custom file name “macro”.

© 2010 OMT Technologies

V4 Logger

Configuration - Continued:

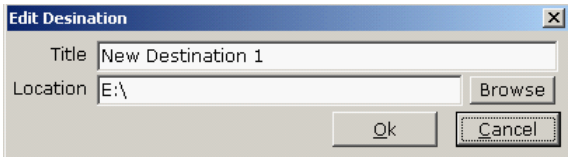
Destinations



OMT recommends that all workstations running our software contain a separate OS and storage hard drive. This will dramatically improve performance as the OS drive is not trying to write or access the disk when write audio files to a specified storage location. With two drives one is always dedicated to the operating system while the storage drive is always recording digital files on to the storage drive.

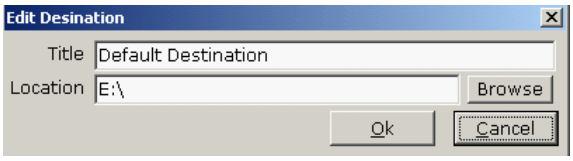
This location is referenced during the setup installation of Logger. However, additional locations can be added by selecting the “Add” button. “Edit” will allow the recording location to be changed after the initial setup and configuration. “Remove” will remove the default destination entry.

Selecting “**Add**” brings up the following screen.



The title can be changed to any suitable name while the location can be selected by clicking on the “Browse” button. “New Destination 1” is the default Title and this can be changed to any suitable name that the user desires.

Highlight on a destination in your list then select “**Edit**” and you will see the following screen.



Browse to a suitable storage location and click on “OK” when complete.

NOTE:

USB drives are not recommended by OMT as an additional storage location based on their slower read/write times in comparison to an EIDE or SATA II internal hard drive. Some clients have had success using USB drives and we leave this to the discretion of the Logger user.

© 2010 OMT Technologies

V4 Logger

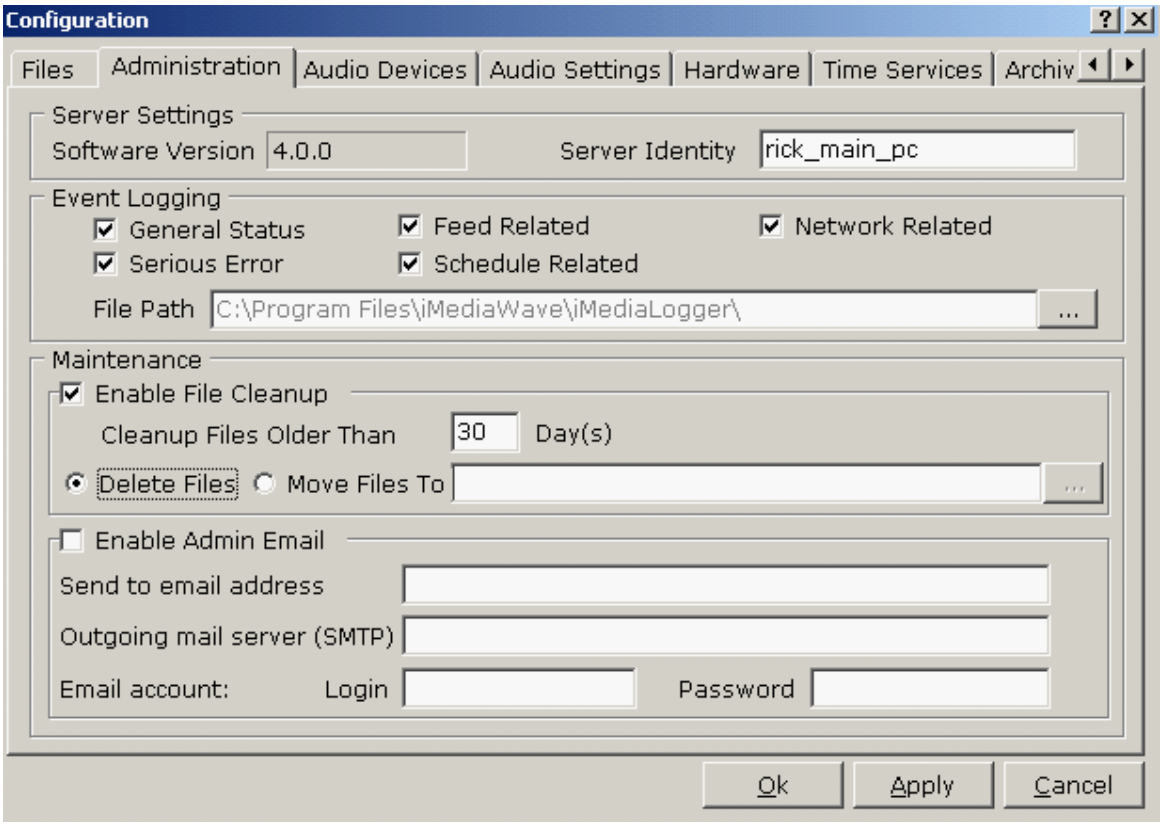
Configuration - Continued:

Connect to OMT Database

Only enable this feature if you have a Media Touch ONAIR system and wish to record directly to the database for later play out or editing.

Use the button to browse to a suitable location. The Projdata.dbf file is located at the root of the O:\ drive in most cases and the location created on the audio server or ONAIR acting as a server by OMT when integrating systems in house.

Administration



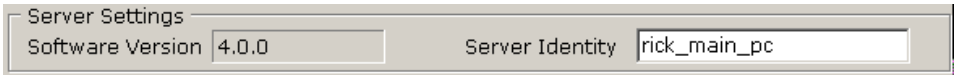
There are several configurable sections under Administration; Server Settings, Event Logging, Maintenance, and Enable Admin Email.

© 2010 OMT Technologies

V4 Logger

Configuration - Continued:

Server Settings



This will display the version of the Logger software and allow the user to change the name that will be displayed on the Server Identity displayed in the built HTML page in Logger.

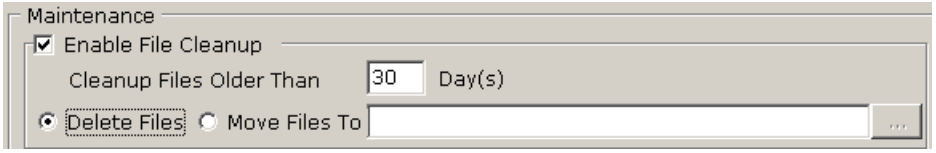
Event Logging

The General Status is the only item that is enabled by default in the Logger application. However, it is strongly recommended that the user enable all event logging to assist in schedule tracking, closure and audio validation, and potential troubleshooting.

General Status	-	Displays completed events
Feed Related	-	Displays Feed names associated with start, stop of recordings
Network Related	-	Displays the IP address of any computer accessing the HTML Interface
Serious Error	-	Displays failed recordings, error codes, audio device failures, etc.
Schedule Related	-	Displays schedule failures based on conflicts, incomplete recordings, etc.

The file path is the location of where the Logger event log will be created and updated. This location can be changed form the default to suit the user requirements.

Maintenance



The Enable File Cleanup is active and set to 30 days based on Canadian CRTC requirements. This value is known as the “Global” file cleanup setting and the value can be increased to 999 days or decreased to a minimum of 1 day.

NOTE:

Be sure to check the amount of storage on your secondary or storage array as increasing the Global file cleanup settings past 30 days can require a significant amount of hard drive space depending on the local recorded format. There could be a danger of filling up your hard drive causing the Logger application to hang or fail.

© 2010 OMT Technologies

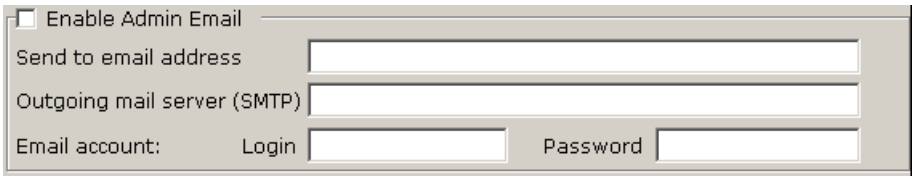
V4 Logger

Configuration - Continued:

"Delete Files" is enabled by default along with the 30 day setting and the user can also enable the "Move Files to" feature to move the files to a user definable location. This would be a network or additional storage drive letter under a standard windows file location and not through a URL or ftp string.

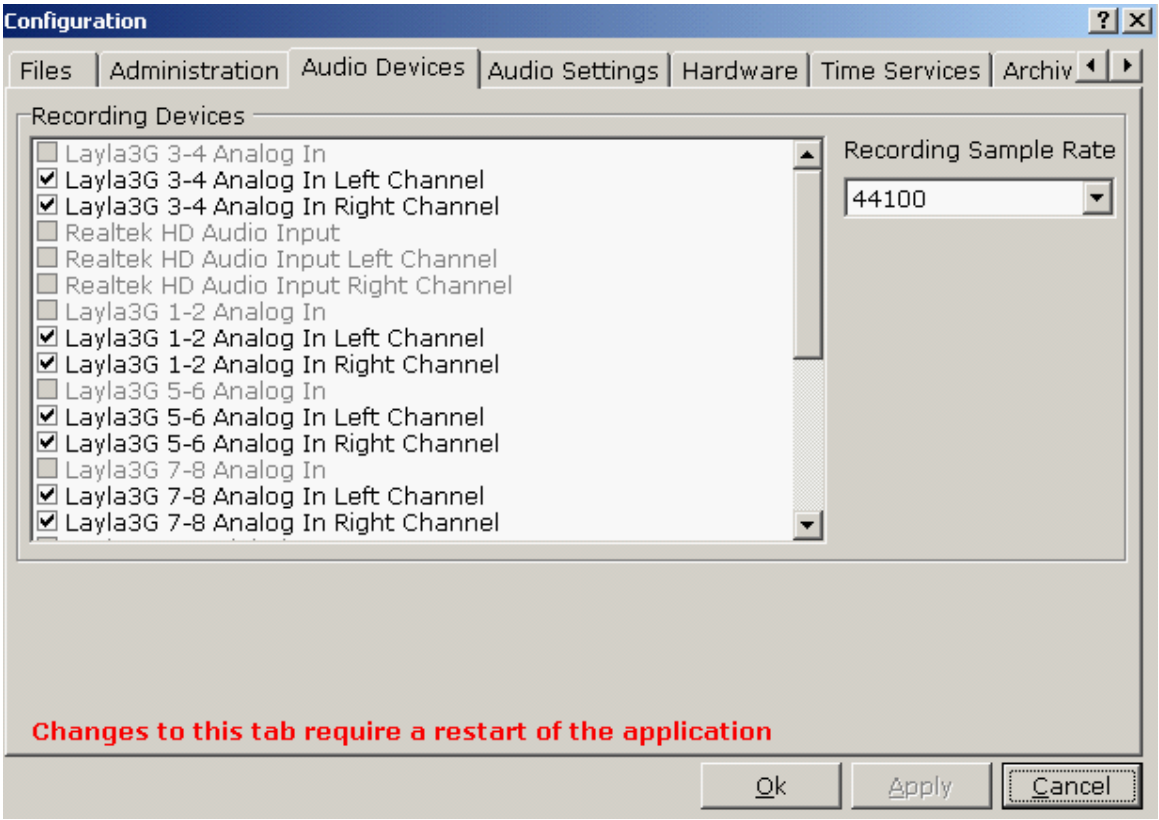
To set the location of the Move File to feature, select the button directly to the right of the file path window.

Enable Admin Email



This feature is not enabled by default. To use this feature, select the enable box to activate then place the appropriate information including desired email address, outgoing server name and login and password for the email account.

Audio Devices



© 2010 OMT Technologies

V4 Logger

Configuration - Continued:

The audio devices are listed in the display window and will show all WDM based audio devices installed in Windows. You can select any or all listed devices and are limited the number of channels of your Logger application.

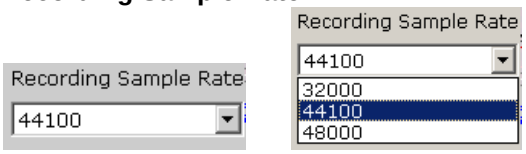
When you have selected the maximum number of devices for the amount of Logger channels available, any remaining audio device selections will become grayed out.

NOTE:

Any device or channel configuration change will require a restart of the Logger application.

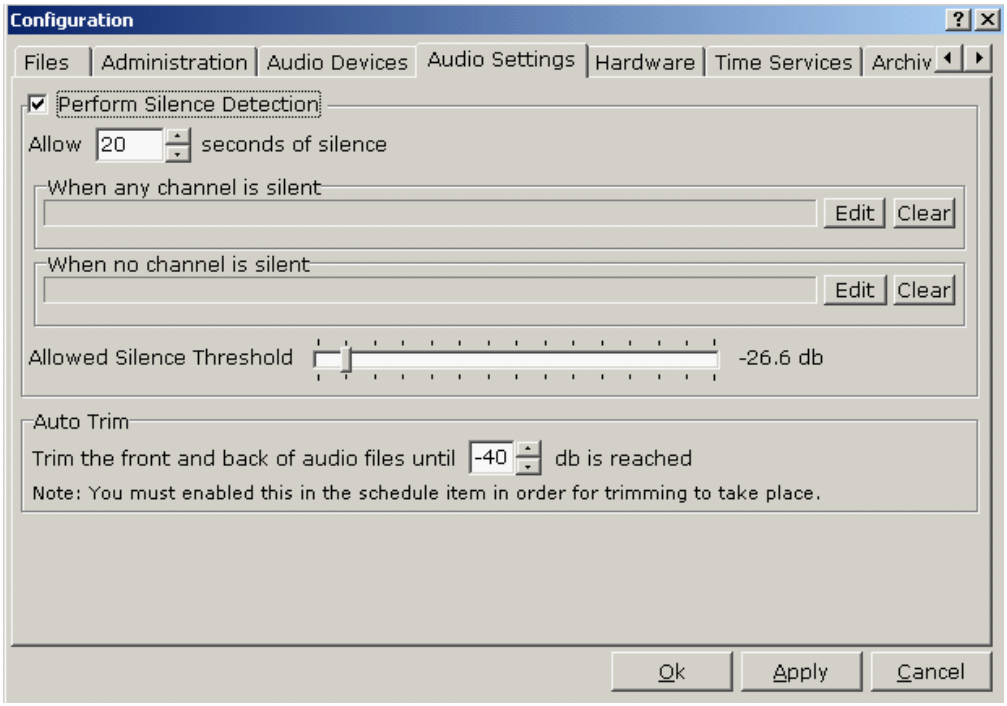
Changes to this tab require a restart of the application

Recording Sample Rate



The default rate is 44100. 32000 and 48000 can also be selected where applicable from the drop down tab to the right of the frequency display.

Audio Settings

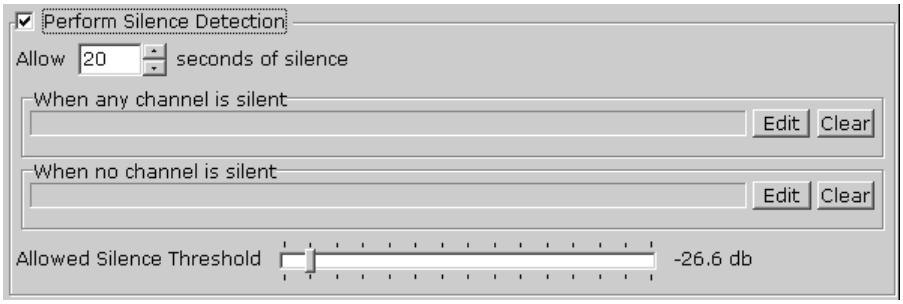


© 2010 OMT Technologies

V4 Logger

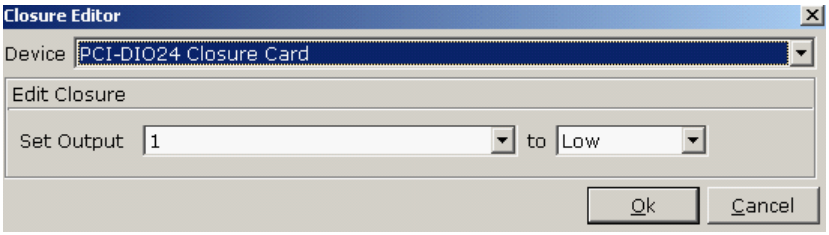
Configuration - Continued:

Perform Silence Detection

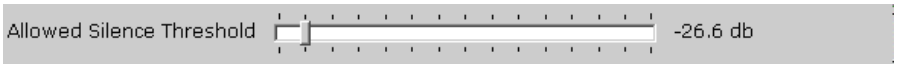


The above screen shot displays the “Perform Silence Detection” section. This is enabled by default and will flash the “Silence” warning from the Record/Meter section on the left hand column of the Logger application independently for each audio channel.

If you have a closure device installed such as the DIO 24H PCI card in the following example, you can assign a closure for either “When any channel is silent” or “When no channel is silent”. Select the “Edit” box directly to the right of both function and the select the appropriate pin based on your installed closure device. You can enable one of the two available functions if desired.



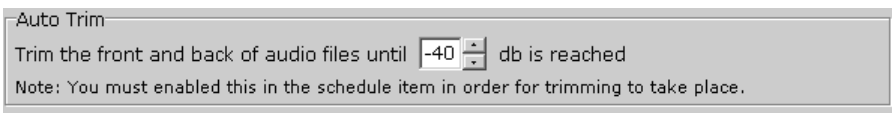
The “Allowed Silence Threshold” does not reference from a specific zero reference point. To accurately set both the “Allowed Silence Threshold” and “Auto Trim” levels, use a known or fixed output such as a reference tone or tone generator.



Auto Trim

NOTE:

It is strongly recommended NOT to use the auto trim feature on a large number of scheduled database recordings as this will place a significant amount of overhead on the Logger computer, especially with 8 and 12 channel versions. Use discretion when applying this feature to ensure reliability and functionality.

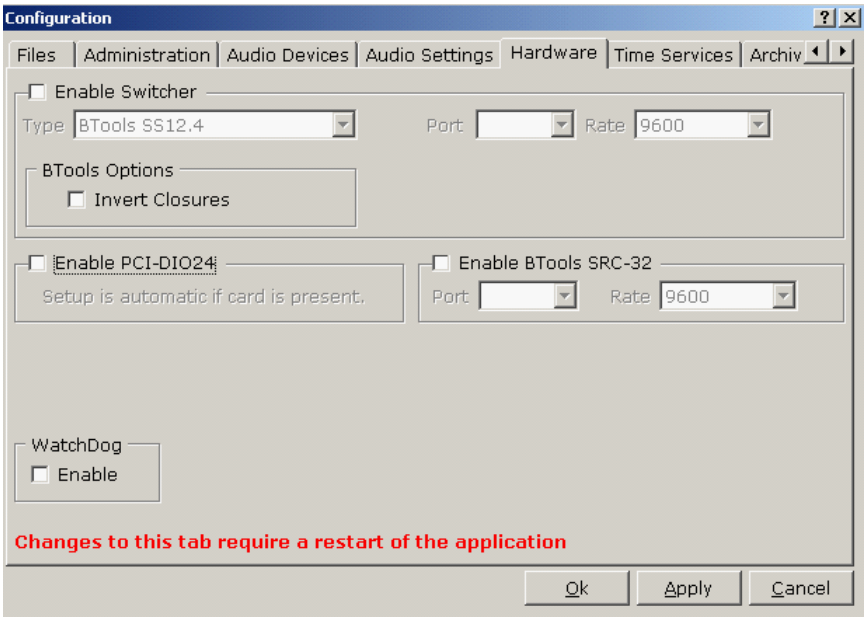

Auto Trim
Trim the front and back of audio files until -40 db is reached
Note: You must enabled this in the schedule item in order for trimming to take place.

© 2010 OMT Technologies

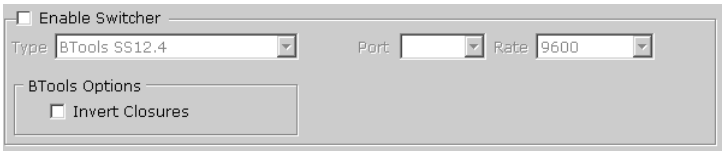
V4 Logger

Configuration - Continued:

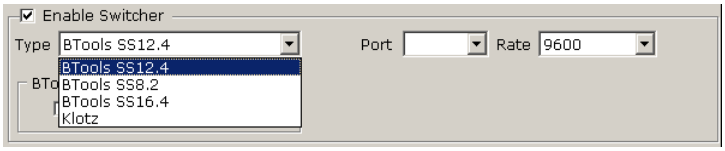
Hardware



Switcher Options

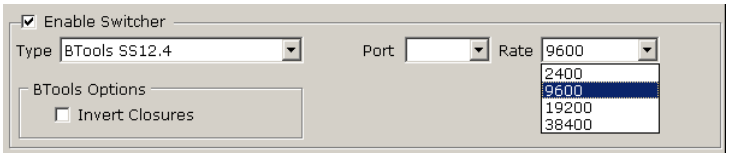


Once you enable the Switcher field, there are currently four selections to choose from:



NOTE: The code set for the SS4.2 and SS8.2 are the same so you can still support a SS4.2 by selecting the SS8.2 drop down. The ACS8.2 will also work using the SS8.2 dropdown.

There are also 4 selectable baud rates that are COM port specific:



© 2010 OMT Technologies

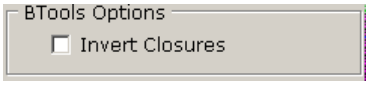
V4 Logger

Configuration - Continued:

Most Broadcast Tools Switcher and closure devices can operate at 38400 and this will decrease "latency" in processing closure or audio routing commands.

NOTE: OMT configures Broadcast Tools Switchers to operate in "Interlock Mode" versus "Mix" mode with the ONAIR application. This is to prevent simultaneous audio content from multiple sources being recorded through the switcher device.

There is additional Broadcast Tools configuration assistance in the Appendices of this guide.

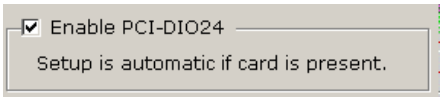


Enable the "Invert Closures" if you logic appears to be reversed.

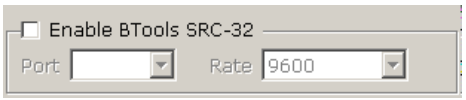
E.G.

The event log in Logger will display all closures when enabled and you may see the correct pin closure but the logic may be reversed. It is assumed that "high" is active or on and "low" is inactive or off. If you required "low" to be active, enable the "Invert Closures" and this will reverse the logic.

Closure Devices



If you have previously installed a DIO 24H Measurement Computing card then you only have to enable the device from this section as the setup is automatic.



Although the SRC – 32 is no longer manufactured there are a great number of clients who still use this device and therefore we still provide interfacing. Enabling the SRC – 32 closure device will also control the GPI – 32 USB based closure device. Later versions of V4 will also have support for the SRC – 16.

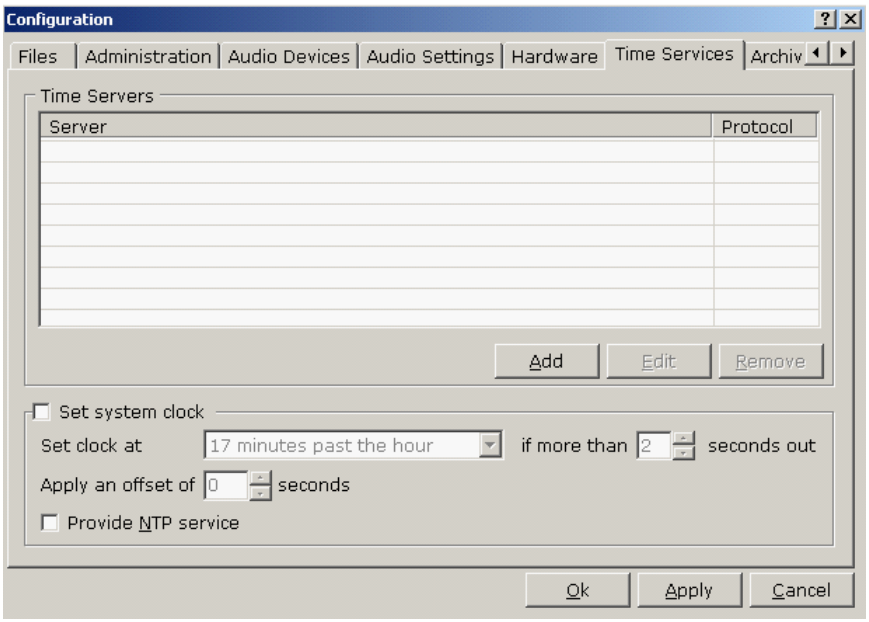
The WDT 500 Watchdog card is a PCI based card that will monitor PCI bus activity and output a closure in the event PCI activity is halted. The closure is generally connected the computer's reset wire on the motherboard and this in turn reboots the PC. There is a separate WDT 500 installation guide later on in the appendices of this Logger guide.

© 2010 OMT Technologies

V4 Logger

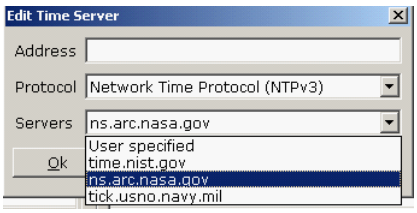
Configuration - Continued:

Time Services



You can apply a specific time server to update the Logger PC clock based on two formats.

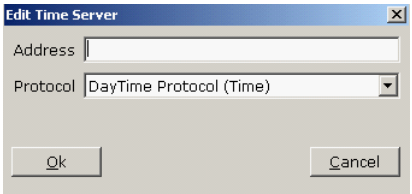
NTPv3:



Select “Add” from the bottom of the Time Servers windows and you can select NTPv3 and a drop down list of available NTP servers to choose. You can also supply your own custom NTP server address.

Time

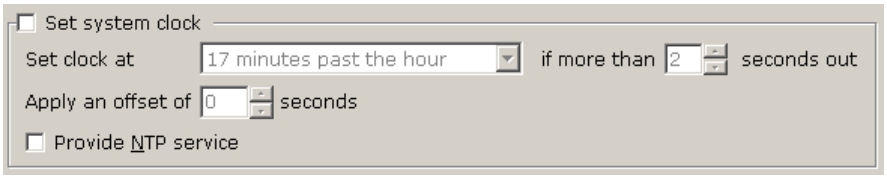
You can also use the Time Protocol and supply the corresponding address to obtain updates.



© 2010 OMT Technologies

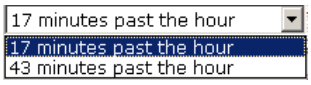
V4 Logger

Configuration - Continued:



Enable the “Set system clock” if you have selected a time server and this will allow the user to select the time when the Logger PC updates, the time window, and the additional of a time offset is desired.

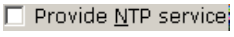
The “Set clock” drop allows for two time update choices:



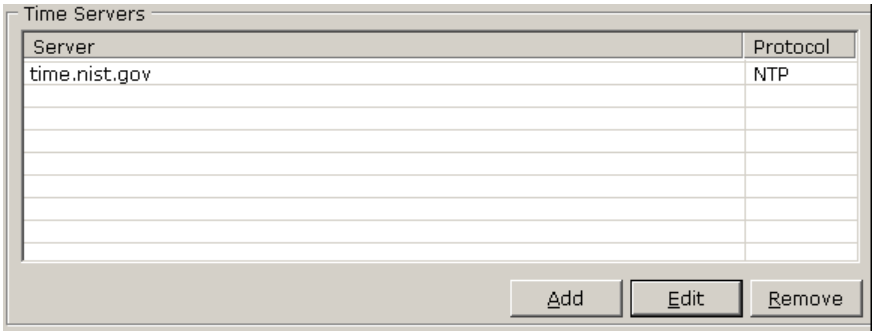
The Time window or “if more the x seconds out” drop down is user definable from 0 to 60 seconds.

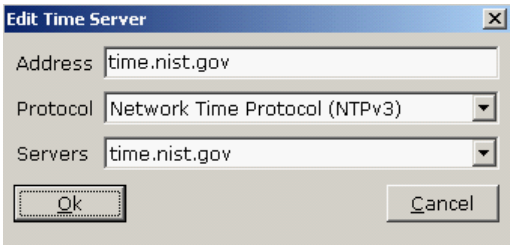
The “Apply an offset of x seconds” is user definable from -100 to 100 seconds with 1 second increments.

Enable the “Provide NTP service is you are update with an NTP based time server and you wish to use the Logger PC as the time base.



The “Edit” and Remove” buttons will highlight once you have added a Time server.



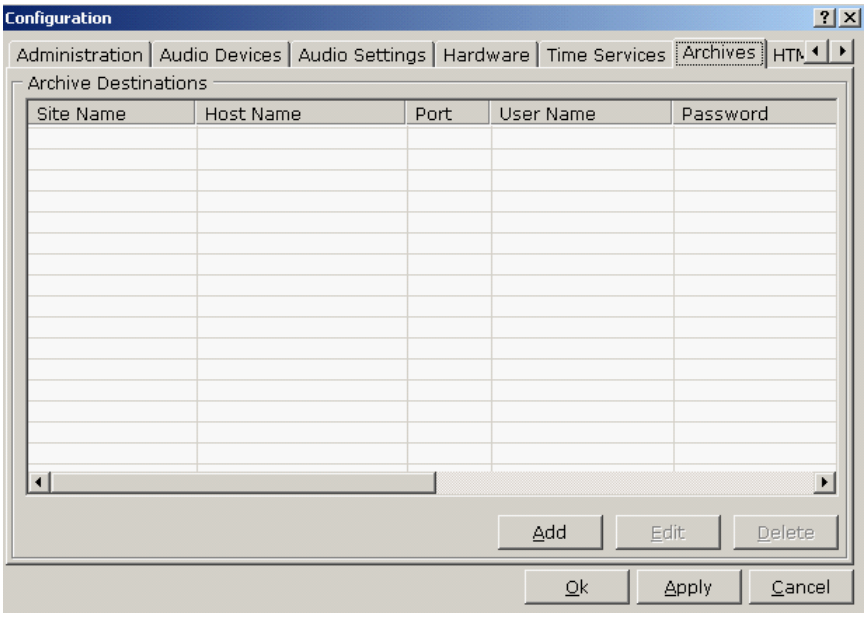


© 2010 OMT Technologies

V4 Logger

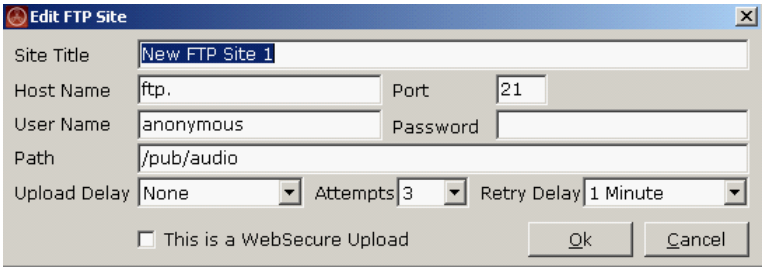
Configuration - Continued:

Archives



The archives section will allow the user to send scheduled recorded audio based on feed to a specific ftp location. This will also allow the user to configure there WebSecure+ ftp account based on IP address.

Select “Add” to proceed and you will see the screen below.



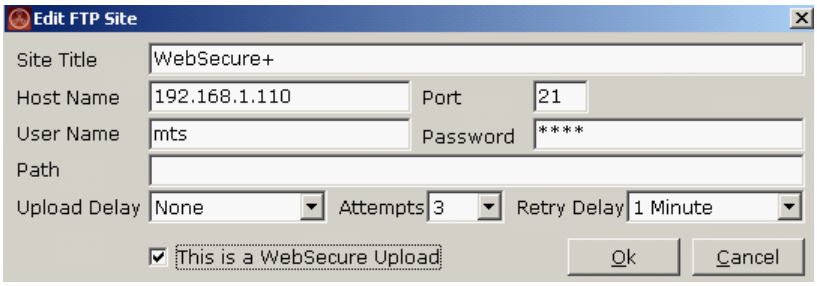
Create any desired name for the ftp site or leave as the default naming convention. The host name can be DNS based or IP address. If you are using an DNS name or IP address, no UNC naming convention (\\) is required. Port 21 is the standard ftp port and this can be set to any desired value. Username and password for the WebSecure+ unit is mts and 1234 by default. The “Path” would be left blank if you are configuring for WebSecure+ and the user can set any folder path desired for custom ftp sites. Enable the “This is a WebSecure Upload” to transfer audio to the WebSecure+ appliance and leave unchecked if this is a standard ftp site.

© 2010 OMT Technologies

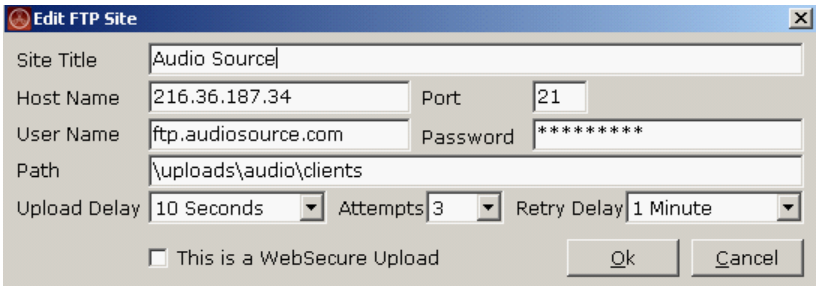
V4 Logger

Configuration - Continued:

Below is an example of a typical WebSecure+ Archive configuration screen:



Below is an example of a standard ftp archive site configuration:



“ftp archived” audio is dependant on Internet connectivity and bandwidth. The larger number of ftp sites or the greater the size of the recording, the longer it will take for audio to arrive at the specified location.

Plan and calculate the amount of audio you intend to transfer based on these parameters. The Logger will “cache” audio file transfer but only to a limited amount based on PC memory, speed, etc. and adds delay to the files arrives at the specified location.

WebSecure+ users are generally not affected by the amount of file transfer where the WebSecure+ appliance is located within the LAN of the Logger PC. The same rules/limitations would apply where the WebSecure+ unit is located offsite and connected via WAN or Internet.

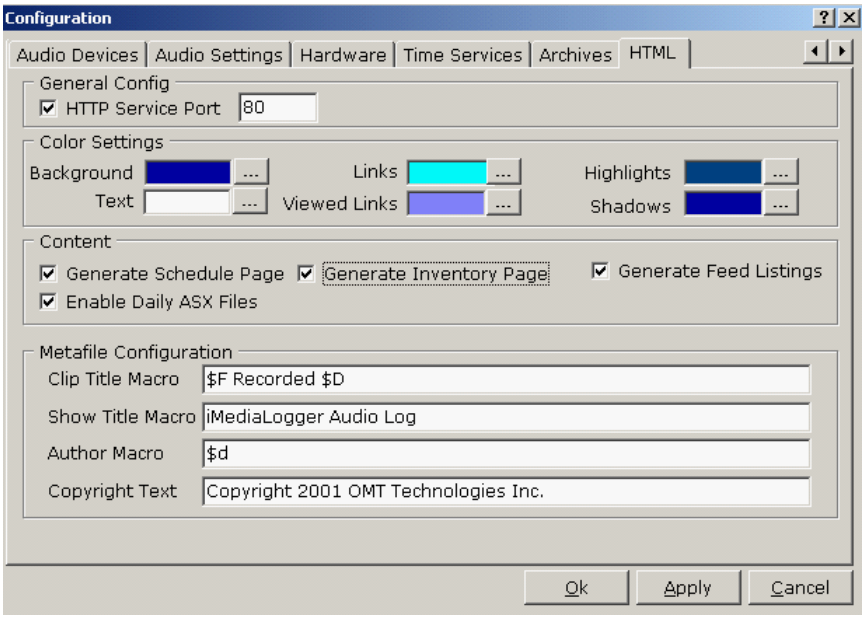
The WebSecure+ User Guide can be found at www.imediatouch.com/help

© 2010 OMT Technologies

V4 Logger

Configuration - Continued:

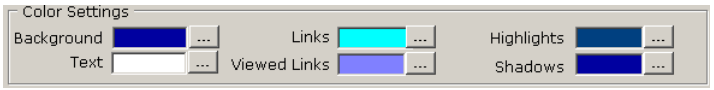
HTML



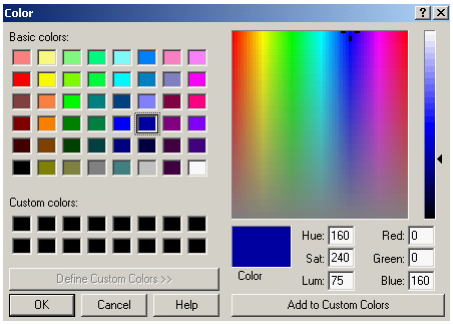
General Config

Under “General Config” the HTTP Service Port can be enabled and the Port value set.

Color Settings



Use the ... box to select a specific color and change the appearance of the HTML page to the desired effect.



© 2010 OMT Technologies

V4 Logger

Configuration - Continued:

Content

Any or all of the above content features can be enabled/disabled and this is a global feature with respect to the HTML page and not feed specific.

Metafile Configuration

The user can change the information displayed within the HTML page by editing the field in the above screen shot.

$F – Feed Name
$D – Day of the week
$d – Description field in the edit window under Scheduler

Below is a screen shot of the standard HTML through Logger. This page can be access by placing the static IP address of the Logger PC into Internet Explorer browser from any LAN computer on the same IP range. We currently do not have support for the Fire Fox browser. If you are using IE 8, you may need to enable “compatibility mode” to stream audio cuts.

STATUS
FEEDS
SCHEDULE
INVENTORY
EVENT LOG
iMediaLogger
Status For rick_main_pc
Server Information
Server Software Version 4.0.0
Server Boot Time Fri, Feb 05, 2010 09:41:08
Server Up Time 00:00:06
Detected Audio Channels 27
Channel 1 - Layla3G 3-4 Analog In
Status Disabled, Idle
Channel 2 - Layla3G 3-4 Analog In Left Channel
Status Idle
Channel 3 - Layla3G 3-4 Analog In Right Channel
Status Idle
Channel 4 - Realtek HD Audio Input
Status Disabled, Idle
Channel 5 - Realtek HD Audio Input Left Channel
Status Disabled, Idle
Channel 6 - Realtek HD Audio Input Right Channel
Status Disabled, Idle
Channel 7 - Layla3G 1-2 Analog In

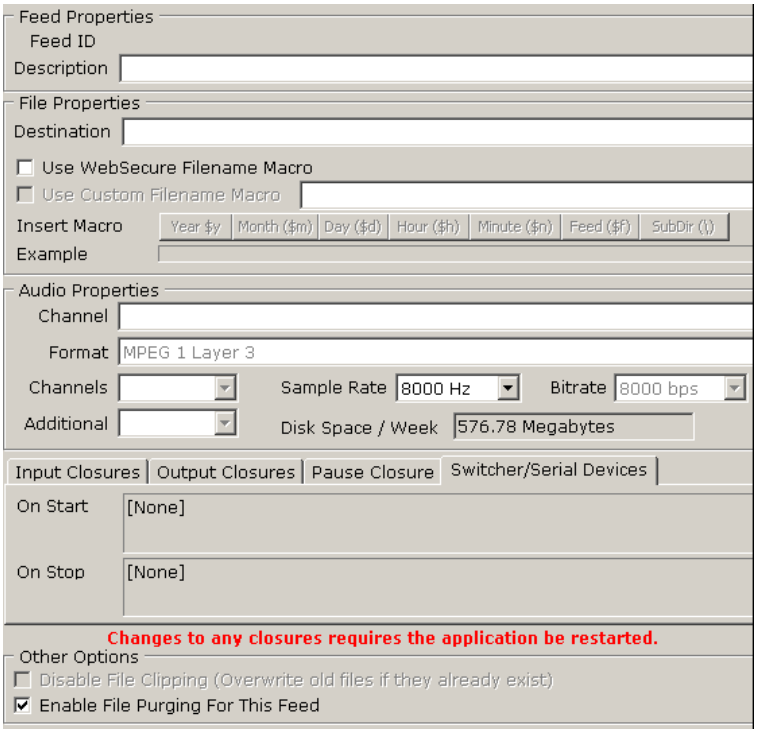
© 2010 OMT Technologies

1.6 Feed Creation

V4 Logger

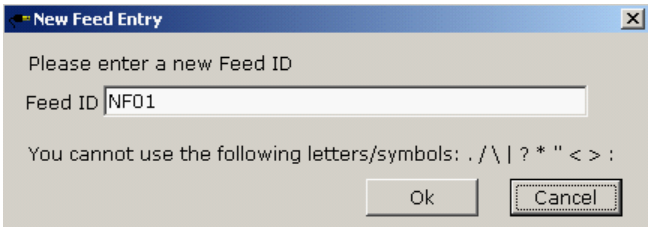
Feed Creation:

Once the Logger Configuration has been completed, the user can now define feeds and recording schedules. A Feed item contains the format of the recording, audio device or channel and other custom settings.



To create a feed, click on the “Add” button at the bottom right corner of the Feeds tab.

The following New Feed Entry edit window will appear.



NOTE: Characters that are not allowed are displayed at the bottom of the New Feed Entry Edit screen.

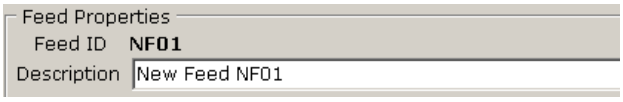
© 2010 OMT Technologies

V4 Logger

Feed Creation - Continued:

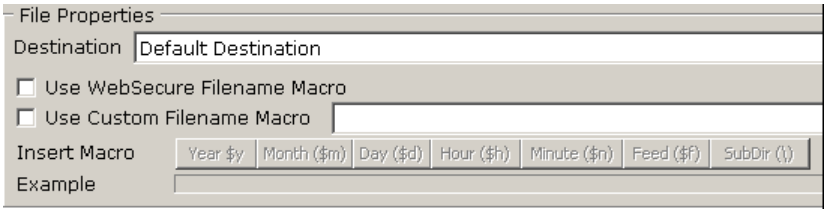
You can use the default name or a custom name of your choice following the rules on non-valid characters displayed previously. Click “OK” when complete.

Feed Properties



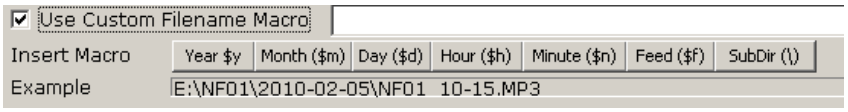
Edit the Feed Properties field to remove the default naming and placement of “New Feed”. Perform this prior to saving or you will have to delete and recreate the feed as this cannot be change once it has been saved.

File Properties



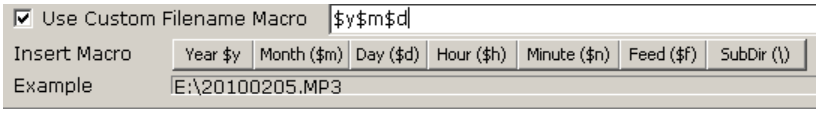
Default destination is the location of the audio recordings that was previously setup under the Logger Configuration. Enable “Use WebSecure Filename Macro” if you are connected to a WebSecure+ appliance and require the feed to be archived to the unit.

Enable the “Use Custom Filename Macro” if you require a custom naming convention and location for the audio recorded through Logger.



Use the button panel above the custom name file path to generate the desire custom file naming convention. This will ensure valid characters are used in the file name path.

Below is an example of Year, Month, and Day naming convention.

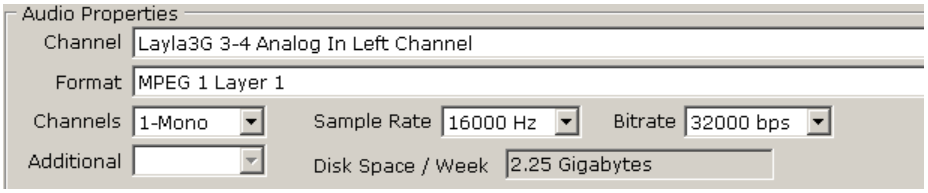


© 2010 OMT Technologies

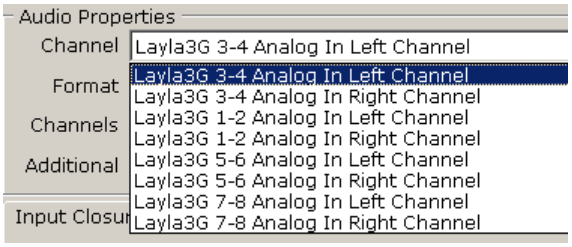
V4 Logger

Feed Creation - Continued:

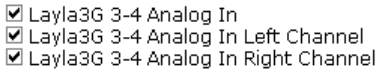
Audio Properties



The above screen shot shows the default display prior to configuring audio parameters. The channel displayed will be the default Windows channel setup under Playback and Record options. This setting is located in the Control Panel under Sounds and Audio devices and located under the "Hardware" tab. Select the dropdown to the right hand side of the Channel field to select any available channel.

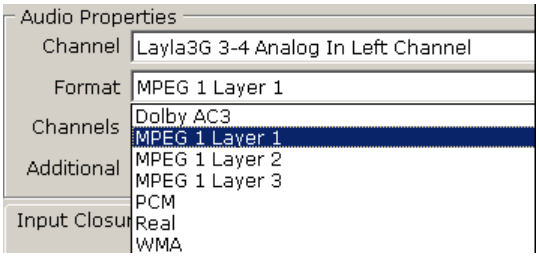

Audio Properties
Channel
Layla3G 3-4 Analog In Left Channel
Format
Channels
Additional
Input Closur
Layla3G 3-4 Analog In Left Channel
Layla3G 3-4 Analog In Right Channel
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 5-6 Analog In Left Channel
Layla3G 5-6 Analog In Right Channel
Layla3G 7-8 Analog In Left Channel
Layla3G 7-8 Analog In Right Channel

The above screen shot shows 8 available devices as I have configured an 8 channel Logger for this example. 8 Stereo channels could also have been configured or a combination that would add to 8 devices and would display three choices per device if enabled.



Format

There are 7 formats of audio recording type available through Logger and can be accessed in the dropdown tab directly to the right of the Format field.



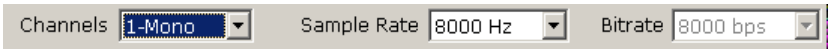
NOTE: You will require a proprietary Dolby AC3 decoder to play audio recorded under this format. This is generally used for audio recorded underneath video. MPEG layers 1,2 and 3 are available along with PCM, Real and WMA format.

© 2010 OMT Technologies

V4 Logger

Feed Creation - Continued:

Once you have selected a suitable recording format you can now select the recording parameters under Channels, Sample Rate, and bitrate.

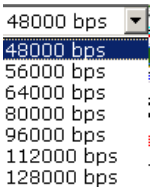


Choose between Stereo and Mono:

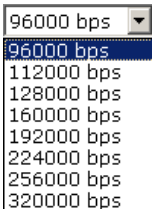
Sample Rate:

NOTE: Consumer or onboard sound cards will generally only work under 44,100. If you are using a Sample Rate other than 44,100, check with your sound card provider to ensure proper operation.

Bitrate: (Under 44,100 Mono)



Under 44,100 Stereo:



The amount of Disk space required based on the user selections will be immediately updated and displayed in the “Disk Space / Week” display.

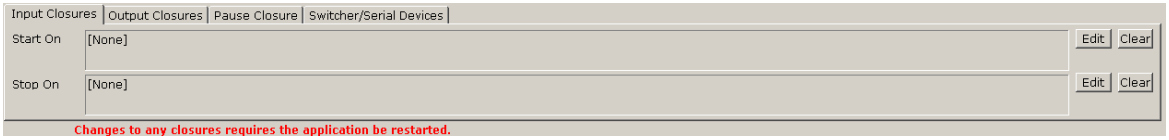
© 2010 OMT Technologies

V4 Logger

Feed Creation - Continued:

Closure and Switcher Options

Default Destination:

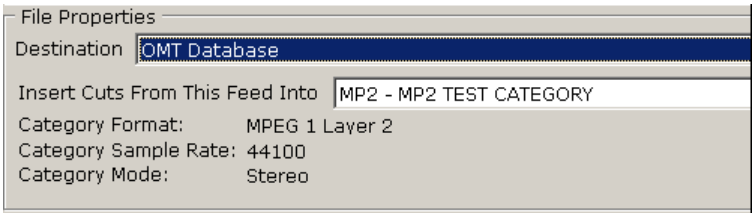


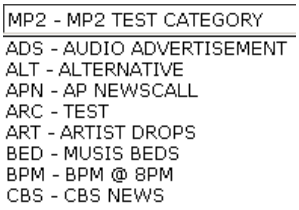
This section allows the user to setup closures and/or audio routing based on the device that has previously been configured under Logger Configuration. There are four sections that can be configured:

- Input Closures
- Output Closures
- Pause Closures
- Switcher/Serial Devices

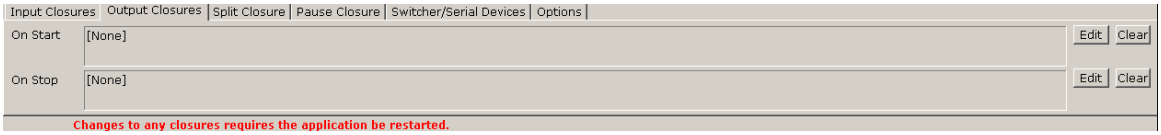
OMT Database Destination:

If you have selected the OMT Database as the default destination for your feed item then the audio format is not user definable as it is based on the category you have selected and its corresponding format. The same categories that are available through Production will be displayed in the category drop down.




MP2 - MP2 TEST CATEGORY
ADS - AUDIO ADVERTISEMENT
ALT - ALTERNATIVE
APN - AP NEWSCALL
ARC - TEST
ART - ARTIST DROPS
BED - MUSIS BEDS
BPM - BPM @ 8PM
CBS - CBS NEWS

There are 7 sections available through the OMT Database selection under Closure and Switcher Options.



© 2010 OMT Technologies

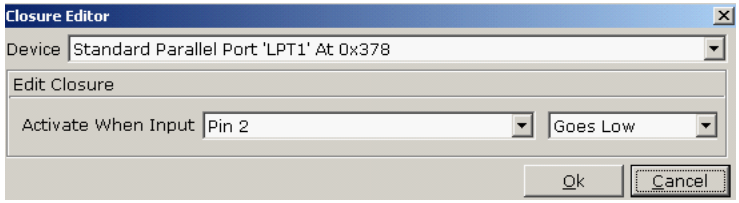
V4 Logger

Feed Creation - Continued:

- Input Closures
- Output Closures
- Split Closure
- Pause Closures
- Switcher/Serial Devices
- Options

Input Closures

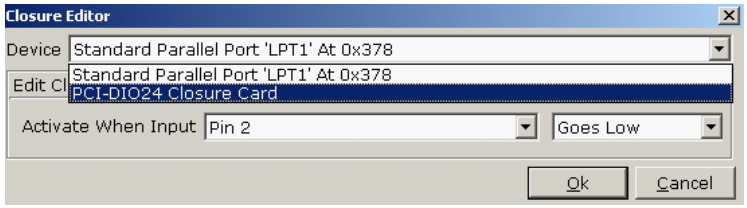
Click on the Edit box directly to the right of the Start or Stop display field to select from a list of available and previously configured closure devices.



The parallel port (if present or enabled) is the default device displayed. Valid input closures for the parallel port are as follows:

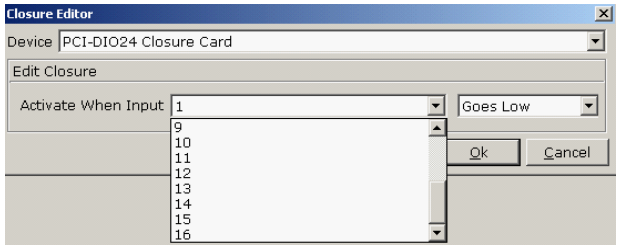
Pins 2 – 13 and 15 are input closures. (Dry contact)

I have configured a DIO 24H card from Measurement Computing for this example and it is available through the drop down list along with the parallel port as a valid closure device.



The DIO 24H card provides 16 input and 8 output closures.

NOTE: The DIO 24H card can only provide “static” or “latched” output closures. Check with the device that you are sending output closure to with DIO card and ensure that static or latched closures can be accepted versus momentary.



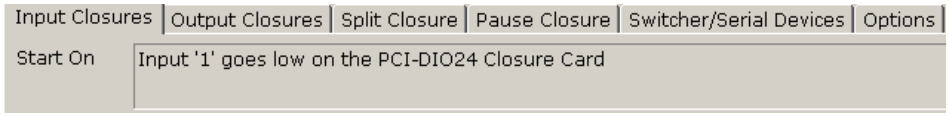
© 2010 OMT Technologies

V4 Logger

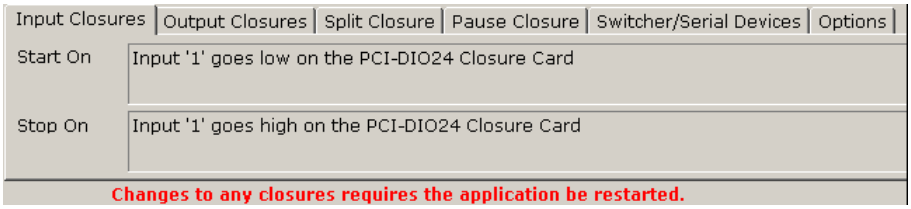
Feed Creation - Continued:

Logic for the incoming closure can be based on a “low” or “high” condition.

When you have applied the desired closure and logic, click “OK” and the result will be placed in the Start or Stop display window.

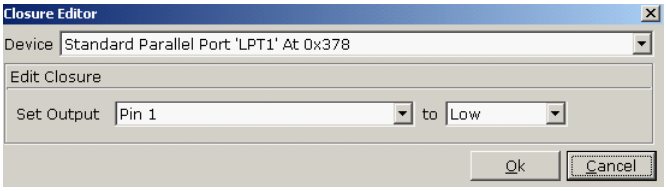


The user can generally save on the number of required closures by selecting one closure with two logic conditions to perform mic skimming, time based recordings, etc on a single feed.



Output Closures

Click on the Edit box directly to the right of the Start or Stop display field to select from a list of available and previously configured closure devices.



The parallel port (if present or enabled) is the default device displayed. Valid output closures for the parallel port are as follows:

Pins 1, 14, 16, and 17 are output closures and will require a “pull up” circuit to drive a relay.

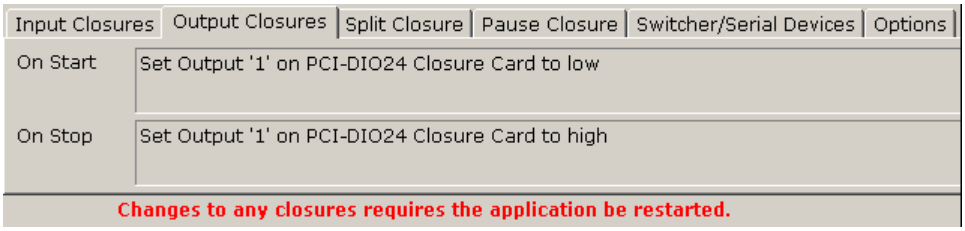
Logic for the output closure can also be based on a “low” or “high” condition.

© 2010 OMT Technologies

V4 Logger

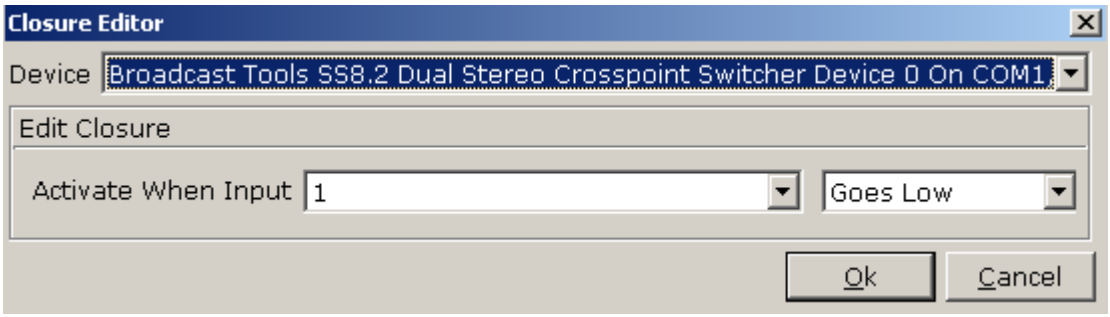
Feed Creation - Continued:

Once you have completed selecting the desired output closure pin assignment, the display in the output closure window will appear similar to the input closure window.

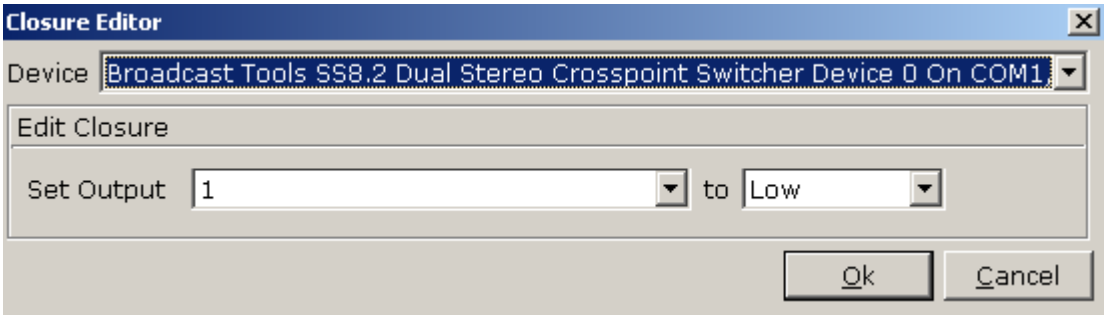


Broadcast Tools SS4.2, SS8.2 ASC 8.2, and the SS16.4 all contain 16 input closures and 8 output closure that can also be assigned to either the Input or Output closures tab.

For Input:



For Output:

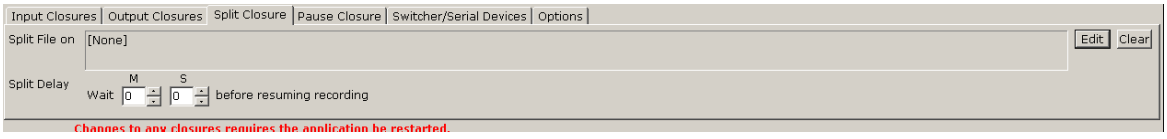


The Broadcast Tools Switcher would have been previously configured under the Logger Configuration covered earlier in this guide.

Split Closures

NOTE:

The Split Closure function from the Feeds section of Logger requires an OMT database. This feature cannot be used with a feed that has been configured to the Default Destination or a "Stand Alone" Logger. It must be used with an OMT automation system/database.

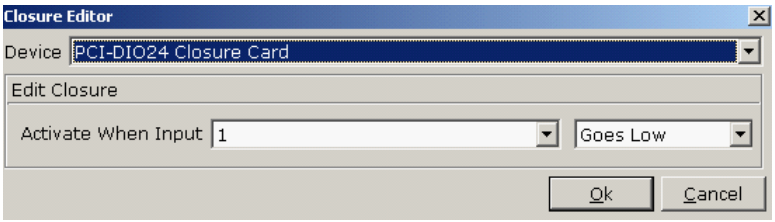


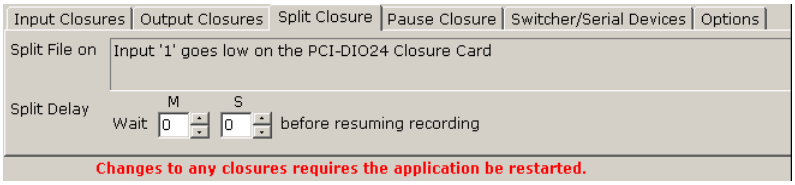
© 2010 OMT Technologies

V4 Logger

Feed Creation - Continued:

To configure the split closure, select the Edit box to the right of the split file closure display and select the appropriate closure device and pin assignment.

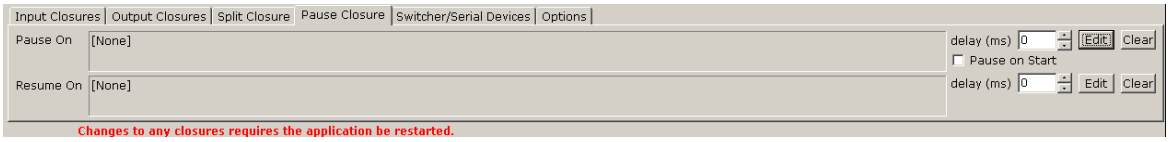




Under “Split Delay”, set the desired time for the Logger to “wait” until the recording resumes. When configuring your pre-recorded satellite or external event, this will be based on the provider schedule clock that outlines the duration of the commercial stopset.

NOTE: Different length wait or stopset times can be scheduled under the “Scheduler” section outlined later in this guide.

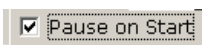
Pause Closure



The Pause feature acts the same as the “old school” cassette or reel to reel machine where a remote switch closure would continue the recording and when open would stop the recording but leave the device in a record/pause mode. The end result is a recording that does not contain minutes of dead air when using closure based recordings such as mic skims.

Any valid closure device can be assigned for the incoming closures as with the previous Input, Output, and Split closure functions. There is also a delay with an adjustable value of 0 to 5000 ms (5 seconds) to compensate for the inherent delay on WAN or Internet based audio feeds.

The “Pause on Start” can be enabled to place the feed item in record/pause mode initially.

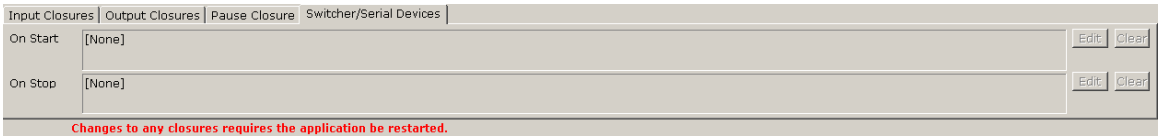


© 2010 OMT Technologies

V4 Logger

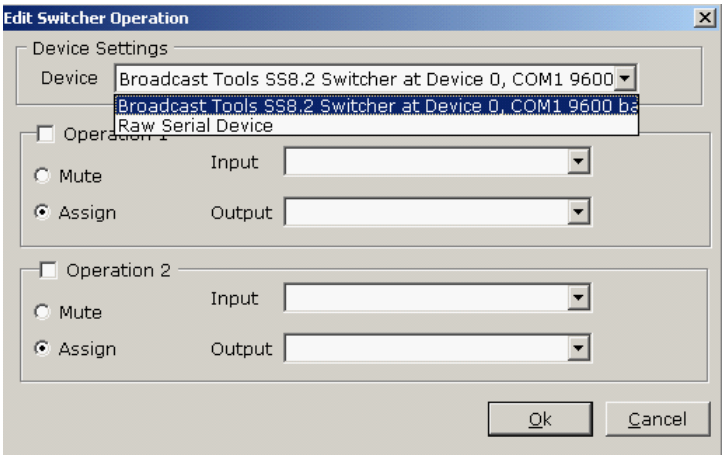
Feed Creation - Continued:

Switcher/Serial Devices



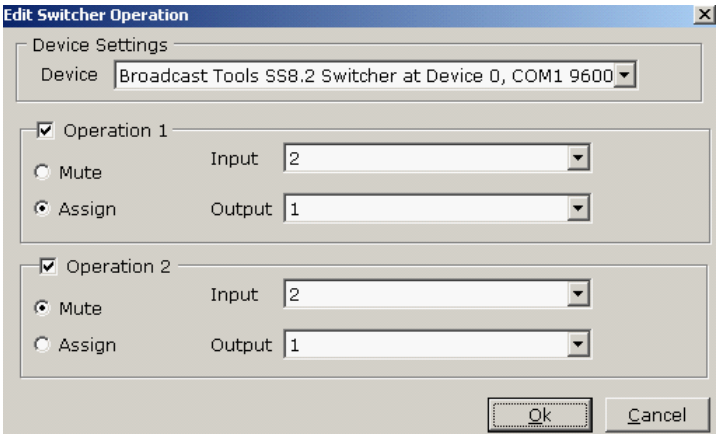
If you have configured a BTools switcher, Klotz router, or raw serial device under the Logger Configuration page, then it will be available under the Switcher/Serial Devices tab for selection.

To configure the Switcher/Serial Device, select the Edit box to the right of the Switcher/Serial Device display and select the appropriate device and audio routing assignment.



NOTE: The Switcher/Serial Device Edit screen provides two operations for both “On Start” and “On Stop”. This eliminates additional audio routing or muting where required when ending a feed item.

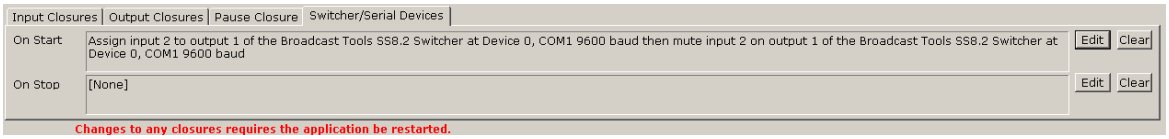
An example of a two operation assignment is displayed below.



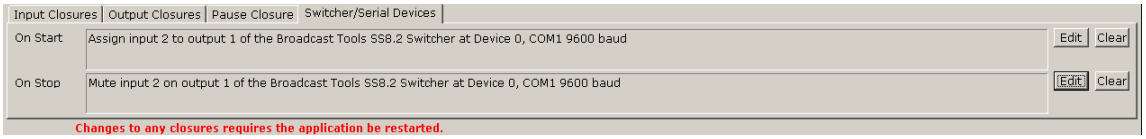
© 2010 OMT Technologies

V4 Logger

Feed Creation - Continued:


Input Closures
Output Closures
Pause Closure
Switcher/Serial Devices
On Start
Assign input 2 to output 1 of the Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud then mute input 2 on output 1 of the Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud
Edit
Clear
On Stop
[None]
Edit
Clear
Changes to any closures requires the application be restarted.

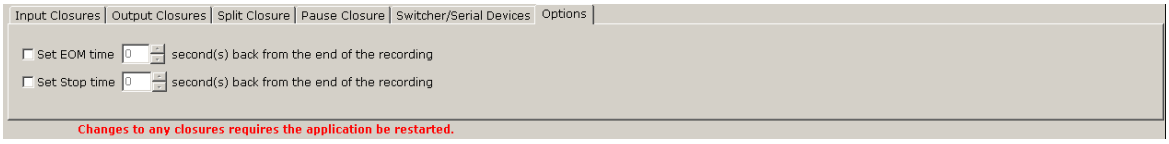
Assign the appropriate audio channels for both input and output for both Start and Stop functions.


Input Closures
Output Closures
Pause Closure
Switcher/Serial Devices
On Start
Assign input 2 to output 1 of the Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud
Edit
Clear
On Stop
Mute input 2 on output 1 of the Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud
Edit
Clear
Changes to any closures requires the application be restarted.

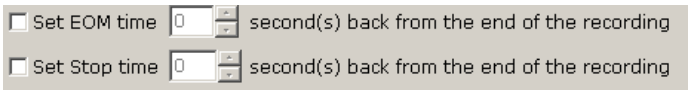
Select

when complete.

Options



The user can place and EOM or Stop marker by enabling the feature and select a value between 0 and 999 seconds for either function.



This would be most commonly applied to show segments where log based sweepers or jingles are required to cross fade over the recorded segment.

© 2010 OMT Technologies

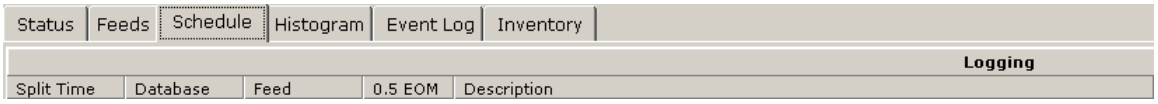
1.7 Schedule Creation

V4 Logger

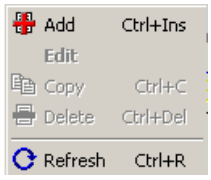
Schedule Creation:

There are three main sections to the Schedule tab where the user can create and edit under Logging, Daily, and One Shot schedules.

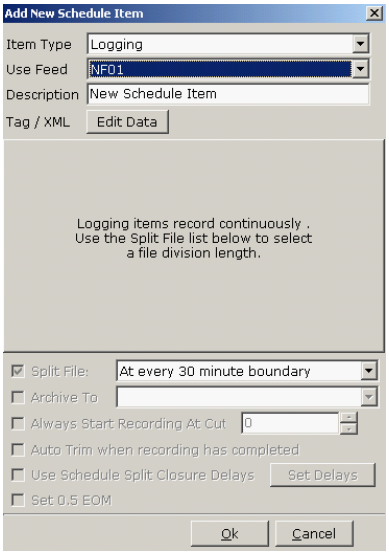
Logging



Logging is most commonly used for off air signal recording for CRTC requirements, mic skims, and "best of" shows. To create a new Logging Scheduled item, right click anywhere in the Logging window and select "Add".



This should take you to the edit window where you can select a feed item previously created, provide a description, and set the file splits from 1 minute to 2 hours in length.



NOTE:

Logging will only allow feed items that are recorded to a Default Destination. OMT Database Recordings are scheduled through the Daily section. Only Logging scheduled recordings set for the Default Destination can be sent to a WebSecure+ appliance and are applied under the "Feeds" section.

© 2010 OMT Technologies

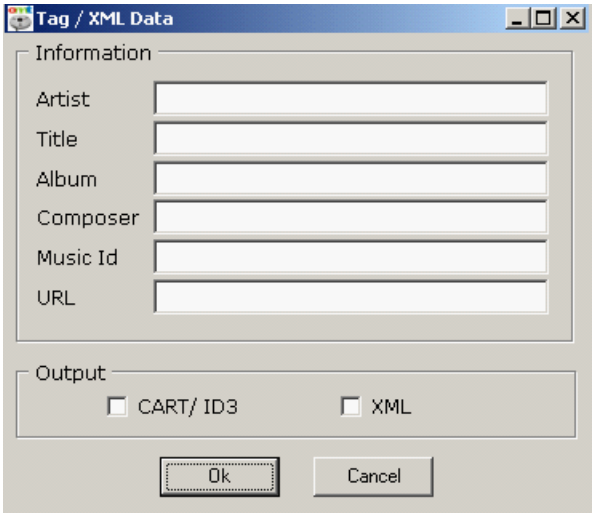
V4 Logger

Schedule Creation - Continued:

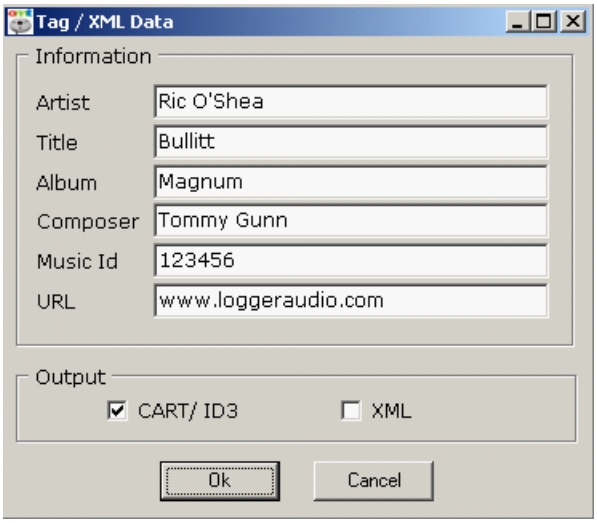
Select the Tag / XML Edit Data button to provide either MP3 ID3 V2 tagging of MP3 recorded audio or CART information for MP2/WAV recordings.

NOTE:

XML information can also be applied if desired to a Daily Schedule recording when “archive” is enabled.



E.G.



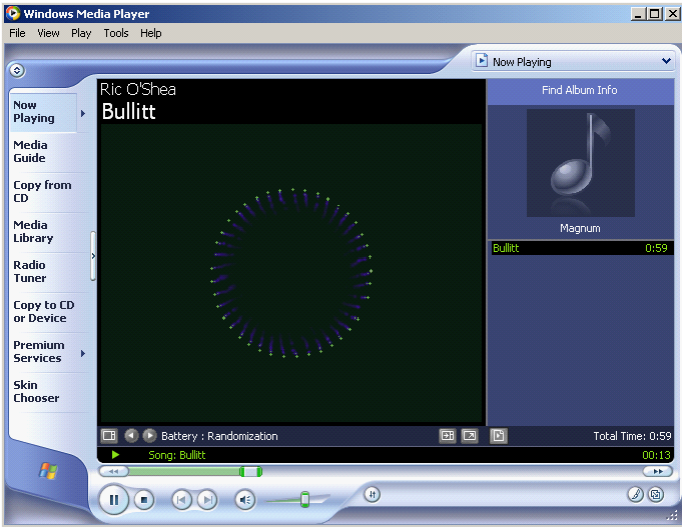
ID3 V2 or CART information will be embedded into the recording (MP3 or MP2/WAV) if the CART/ID3 checkbox is enabled.

© 2010 OMT Technologies

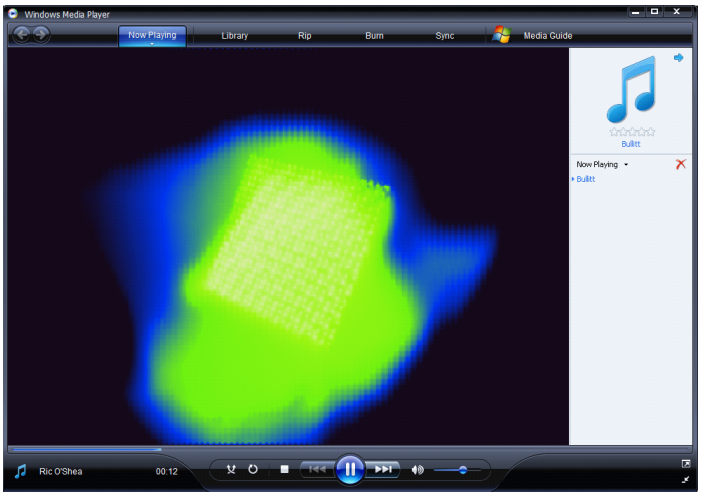
V4 Logger

Schedule Creation - Continued:

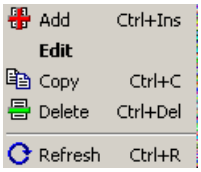
The following example has been tagged with ID3 V2 information as this is a MP3 recording and is being played out of Windows Media Player 9. You can see the title/artist information being displayed along with the album.



Windows Media Player 11 is displayed below with the same track and information.



You can also edit an existing Logging scheduled item once created by right clicking in the Logging window and select “Edit”. Copy and Delete functions are also available.



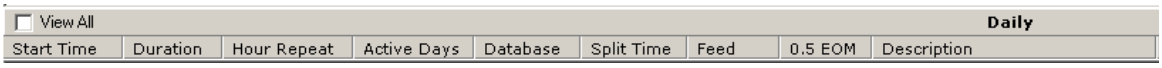
© 2010 OMT Technologies

V4 Logger

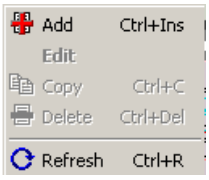
Schedule Creation - Continued:

Daily

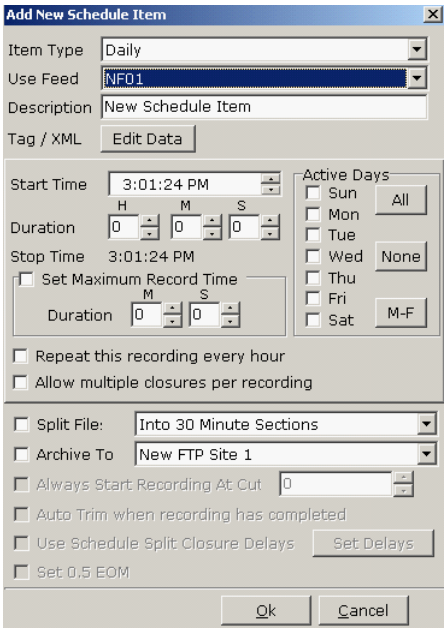
Daily scheduled recordings allow for pre-recorded satellite events with “split on closure” feature, pause, static cut number assignments and 0.5 second EOM placement. Both Default Destination and OMT Database locations can be used under the Daily section.



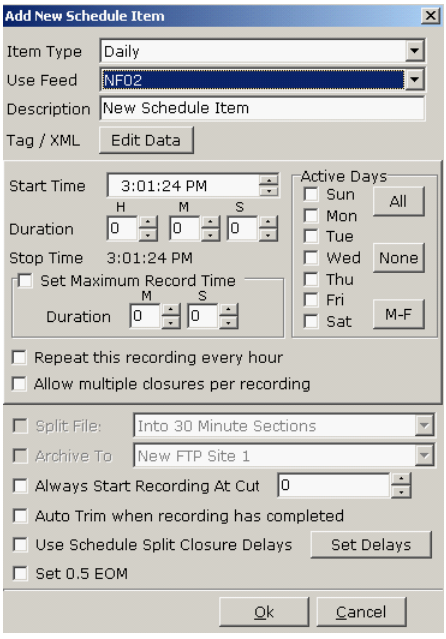
To create a Daily scheduled item, right click in the Daily schedule window and select “Add”.



There will be several options available based on a Default Destination or OMT Database recording. Default Destination spots are recorded to the local storage drive specified and therefore, cannot have a cut number applied, no auto trim, no split closures or 0.5 EOM applied.
On OMT Database recordings, the split file function is disabled and the “Archive” function is disabled.


Add New Schedule Item
Item Type Daily
Use Feed NF01
Description New Schedule Item
Tag / XML Edit Data
Start Time 3:01:24 PM
Duration H M S 0 0 0
Stop Time 3:01:24 PM
Set Maximum Record Time
Duration M S 0 0
Active Days
Sun Mon Tue Wed Thu Fri Sat
All None M-F
Repeat this recording every hour
Allow multiple closures per recording
Split File: Into 30 Minute Sections
Archive To New FTP Site 1
Always Start Recording At Cut 0
Auto Trim when recording has completed
Use Schedule Split Closure Delays Set Delays
Set 0.5 EOM
Ok Cancel

Default Destination


Add New Schedule Item
Item Type Daily
Use Feed NF02
Description New Schedule Item
Tag / XML Edit Data
Start Time 3:01:24 PM
Duration H M S 0 0 0
Stop Time 3:01:24 PM
Set Maximum Record Time
Duration M S 0 0
Active Days
Sun Mon Tue Wed Thu Fri Sat
All None M-F
Repeat this recording every hour
Allow multiple closures per recording
Split File: Into 30 Minute Sections
Archive To New FTP Site 1
Always Start Recording At Cut 0
Auto Trim when recording has completed
Use Schedule Split Closure Delays Set Delays
Set 0.5 EOM
Ok Cancel

OMT Database

© 2010 OMT Technologies

V4 Logger

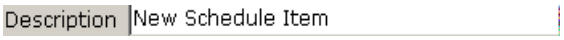
Schedule Creation - Continued:

Break down of the Daily Schedule Edit Window:

Item Type: This will be set to Daily as the edit window has been opened from the Daily section.

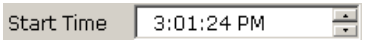
Use Feed: All feeds previously created are selectable from the drop down.

Description: The user can create any name for the Daily scheduled item. The default is "New Schedule Item".



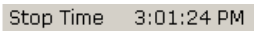
Tag/XML: This was outlined in the Logging section where ID3/CART and XML output can be enabled.

Start Time: The time displayed will always be the current time upon opening the edit window. Set the desired start time for your recording to begin.



Duration: Place the desired value for the length of your recording.

Stop Time: This will be automatically calculated based on your start time and duration. The screen shot below displays the same start and stop time since no duration has been placed.



Set Maximum Record Time: This will set a duration where recordings based on closure can occur from a specific start point. Defining the Maximum record time will allow a floating closure to occur and record to the specified amount. This is commonly used for recording National commercials/spots from syndicated programming that uses floating closures.

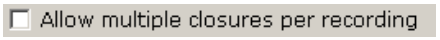
© 2010 OMT Technologies

V4 Logger

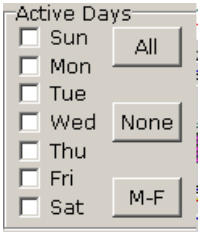
Schedule Creation - Continued:

Repeat this Recording: This will automatically schedule same time spots for each hour of the day at the same start time. This is very useful for top of hour news recordings, sports, etc.

Allow multiple closures per hour: This will allow the same closure assignment to be active within a specified record window. This is very useful for hour specific mic skims, fixed or same length floating closure recordings, etc.



Active Days: This will allow the user to select any or of the days of the week and provides a M-F quick button for assigning and a "NONE" button to clear all entries.



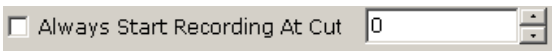
Split File: This will allow the user to have the audio recording end and restart at a specific time and duration. File splits occur based from the top of hour time and NOT from when the recording actually starts if different than top of hour.

NOTE: This feature is not active under an "OMT Database" feed item and will be "grayed out".

Archive To: The Archive section will allow recordings to be recorded locally, to Web Secure+ and to a pre-configured ftp location.

This feature is not available on OMT Database feed items and will be "grayed out".

Always Start Recording At: The will allow the user to place a four digit cut number based on the category selected through the feed item under the OMT Database location. This number will always be recorded to every time the daily scheduled recording runs.



Auto Trim When Recording Has Completed: This can be used to automatically remove dead air or silence from the start or end of a Logger recording when using an OMT Database feed item.

© 2010 OMT Technologies

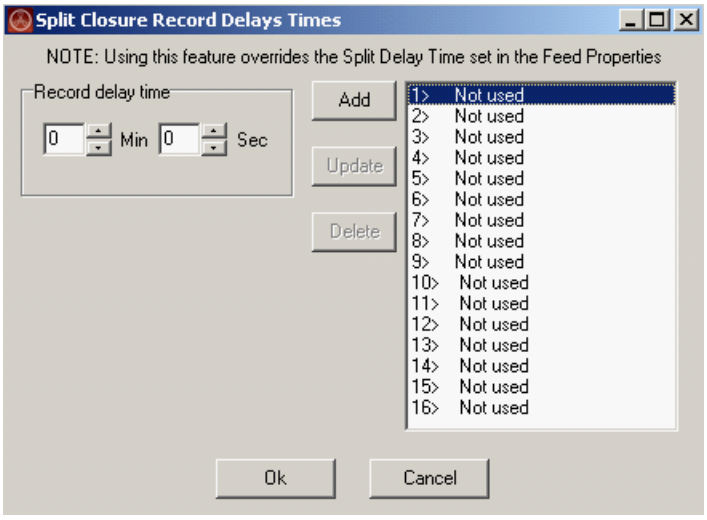
V4 Logger

Schedule Creation - Continued:

Use Schedule Split Closure Delays: This will take the time value placed under the "Split Closure" tab of the Feeds section.

If no value has been placed in this field and the Use Schedule Split Closure Delay is enabled, it will take the time information from the "Set Delay" Time log.

Click on the "Set Delay" button and the following time schedule will appear.



Place the desired time for the first commercial stop set/break under the Min and Sec window and click "Add". Continue this process following your satellite schedule clock until all required breaks (up to 16) have been filled.

Set 0.5 EOM: This feature can be used for recording music beds and placing a 0.5 EOM on the cut which will provide a means of having pre-recorded beds to play underneath voice or other log scheduled content in the ONAIR. This was also useful when using Card Mapping and "slate marking" recordings prior to having the ability to set specific closure record delay times.

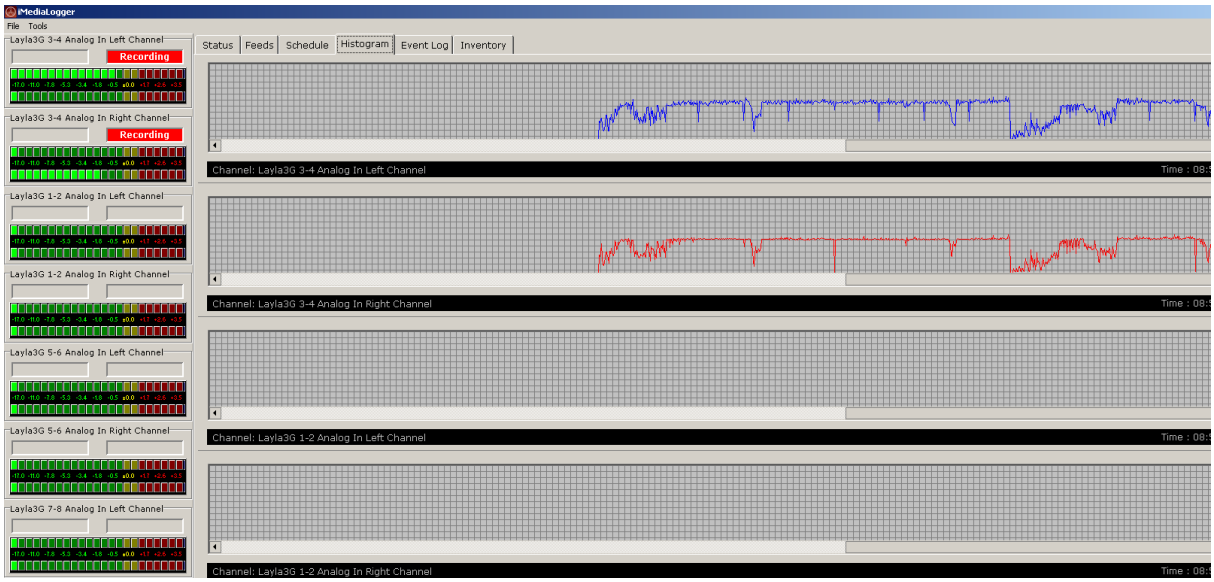
© 2010 OMT Technologies

1.8 Histogram

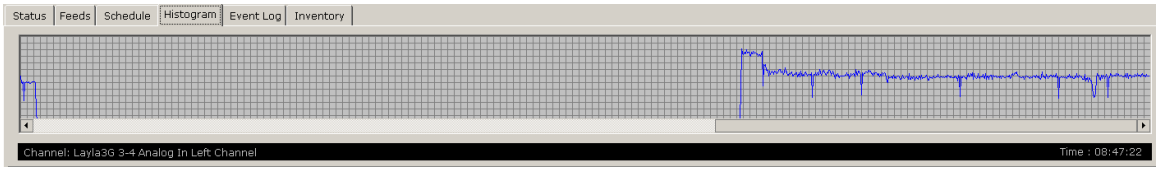
V4 Logger

Histogram:

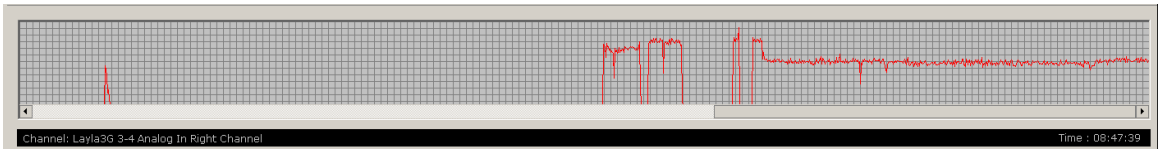
The Histogram provides a waveform time based graph to display when audio (and relative level) was present and at what time. This is particularly convenient when validating an audio source such a satellite feed, to confirm audio was present at a specific time. This is also a good diagnostic tool to verify if audio is being received on any channel.


MediaLogger
File Tools
Layla3G 3-4 Analog In Left Channel
Recording
Layla3G 3-4 Analog In Right Channel
Recording
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 5-6 Analog In Left Channel
Layla3G 5-6 Analog In Right Channel
Layla3G 7-8 Analog In Left Channel
Status Feeds Schedule Histogram Event Log Inventory
Channel: Layla3G 3-4 Analog In Left Channel
Channel: Layla3G 3-4 Analog In Right Channel
Channel: Layla3G 1-2 Analog In Left Channel
Channel: Layla3G 1-2 Analog In Right Channel

The start time is displayed in the bottom right hand corner of each Histogram window while the channel information is displayed on the left. To view all information on long file recordings, there is a scroll bar underneath each window to allow the user to scroll from start to current or finish time.



The left channel as displayed above is plotted in a blue color while the right is displayed in red.



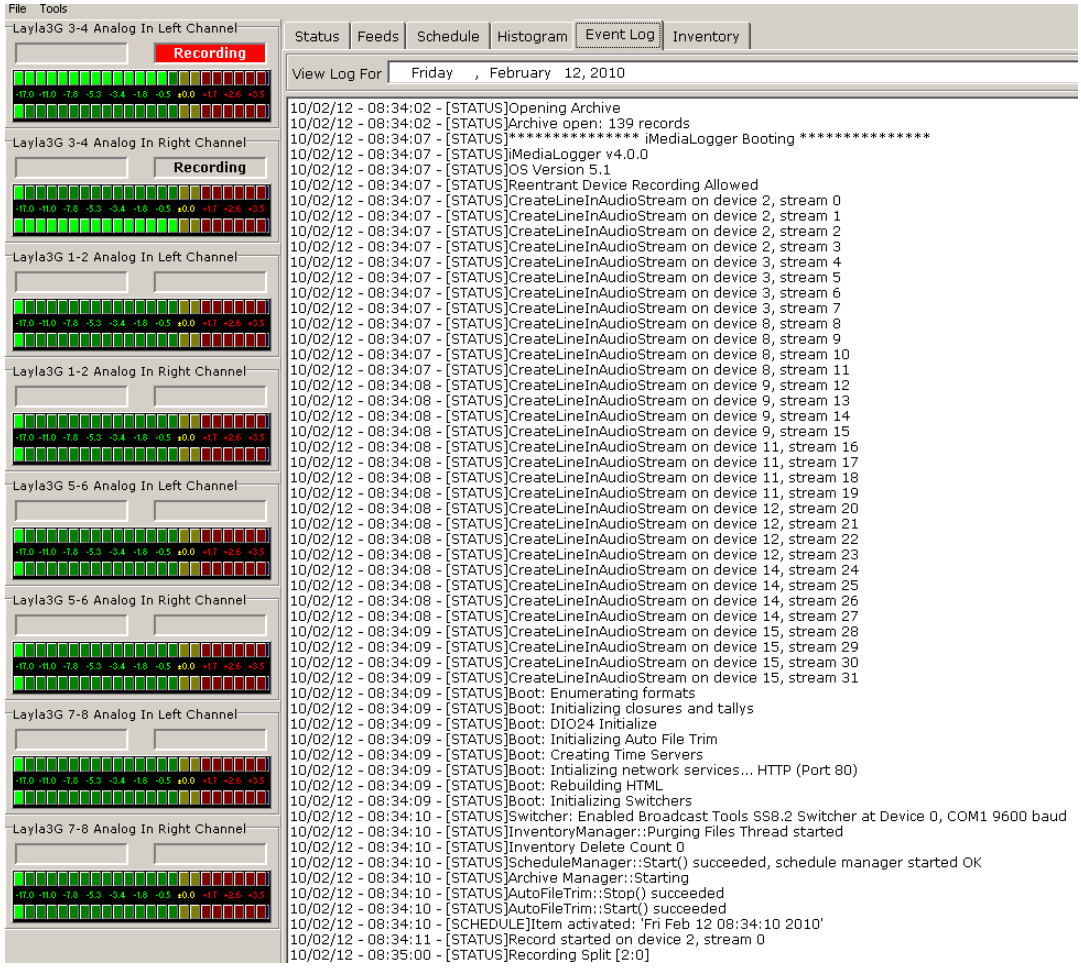
© 2010 OMT Technologies

1.9 Event Log

V4 Logger

Event Log:

The Event Log is your primary source for verification of recordings, closures, audio routing and error reporting. It is highly recommended that Logger users enable all event logging previous covered under the Logger Configuration of this guide to ensure all event logging is posted. This will assist in troubleshooting and validation for new Logger clients.


File Tools
Layla3G 3-4 Analog In Left Channel
Recording
Layla3G 3-4 Analog In Right Channel
Recording
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 5-6 Analog In Left Channel
Layla3G 5-6 Analog In Right Channel
Layla3G 7-8 Analog In Left Channel
Layla3G 7-8 Analog In Right Channel
Status Feeds Schedule Histogram Event Log Inventory
View Log For Friday , February 12, 2010
10/02/12 - 08:34:02 - [STATUS]Opening Archive
10/02/12 - 08:34:02 - [STATUS]Archive open: 139 records
10/02/12 - 08:34:07 - [STATUS]********** iMediaLogger Booting **********
10/02/12 - 08:34:07 - [STATUS]iMediaLogger v4.0.0
10/02/12 - 08:34:07 - [STATUS]OS Version 5.1
10/02/12 - 08:34:07 - [STATUS]Reentrant Device Recording Allowed
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 2, stream 0
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 2, stream 1
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 2, stream 2
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 2, stream 3
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 3, stream 4
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 3, stream 5
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 3, stream 6
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 3, stream 7
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 8, stream 8
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 8, stream 9
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 8, stream 10
10/02/12 - 08:34:07 - [STATUS]CreateLineInAudioStream on device 8, stream 11
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 9, stream 12
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 9, stream 13
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 9, stream 14
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 9, stream 15
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 11, stream 16
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 11, stream 17
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 11, stream 18
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 11, stream 19
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 12, stream 20
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 12, stream 21
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 12, stream 22
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 12, stream 23
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 14, stream 24
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 14, stream 25
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 14, stream 26
10/02/12 - 08:34:08 - [STATUS]CreateLineInAudioStream on device 14, stream 27
10/02/12 - 08:34:09 - [STATUS]CreateLineInAudioStream on device 15, stream 28
10/02/12 - 08:34:09 - [STATUS]CreateLineInAudioStream on device 15, stream 29
10/02/12 - 08:34:09 - [STATUS]CreateLineInAudioStream on device 15, stream 30
10/02/12 - 08:34:09 - [STATUS]CreateLineInAudioStream on device 15, stream 31
10/02/12 - 08:34:09 - [STATUS]Boot: Enumerating formats
10/02/12 - 08:34:09 - [STATUS]Boot: Initializing closures and tallys
10/02/12 - 08:34:09 - [STATUS]Boot: DIO24 Initialize
10/02/12 - 08:34:09 - [STATUS]Boot: Initializing Auto File Trim
10/02/12 - 08:34:09 - [STATUS]Boot: Creating Time Servers
10/02/12 - 08:34:09 - [STATUS]Boot: Intializing network services... HTTP (Port 80)
10/02/12 - 08:34:09 - [STATUS]Boot: Rebuilding HTML
10/02/12 - 08:34:09 - [STATUS]Boot: Initializing Switchers
10/02/12 - 08:34:10 - [STATUS]Switcher: Enabled Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud
10/02/12 - 08:34:10 - [STATUS]InventoryManager::Purging Files Thread started
10/02/12 - 08:34:10 - [STATUS]Inventory Delete Count 0
10/02/12 - 08:34:10 - [STATUS]ScheduleManager::Start() succeeded, schedule manager started OK
10/02/12 - 08:34:10 - [STATUS]Archive Manager::Starting
10/02/12 - 08:34:10 - [STATUS]AutoFileTrim::Stop() succeeded
10/02/12 - 08:34:10 - [STATUS]AutoFileTrim::Start() succeeded
10/02/12 - 08:34:10 - [SCHEDULE]Item activated: 'Fri Feb 12 08:34:10 2010'
10/02/12 - 08:34:11 - [STATUS]Record started on device 2, stream 0
10/02/12 - 08:35:00 - [STATUS]Recording Split [2:0]

The screen shot above shows the event log and the Logger start up sequence verifying all available audio streams and devices while also verifying all closure and switcher devices that are configured. When all event logging is enabled, any error message will be posted to the event log for easy identification.

The event by default resides in the C:\Program Files\iMediaWave\iMediaLogger folder and be configured to be written to any folder location. After several months or years of operation, it is a good idea to “houseclean” these event logs as they can take up a great deal of space over a long period of time. The log itself can be opened using Notepad or WordPad and is written in a .LOG format.

© 2010 OMT Technologies

V4 Logger

Event Log - Continued:

The following log file displayed below shows a successful Logger startup sequence. This particular Logger has a SS16.4 BTools switcher connected.

```
09/12/23 - 10:46:45 - [STATUS]*************** iMediaLogger Booting ***************
09/12/23 - 10:46:45 - [STATUS]iMediaLogger v4.0.0
09/12/23 - 10:46:45 - [STATUS]OS Version 5.1
09/12/23 - 10:46:45 - [STATUS]Reentrant Device Recording Allowed
09/12/23 - 10:46:45 - [STATUS]Boot: Enumerating formats
09/12/23 - 10:46:45 - [STATUS]Boot: Initializing closures and tallys
09/12/23 - 10:46:45 - [STATUS]Boot: Initializing Auto File Trim
09/12/23 - 10:46:45 - [STATUS]Boot: Creating Time Servers
09/12/23 - 10:46:56 - [STATUS]Boot: Intializing network services... HTTP (Port 80)
09/12/23 - 10:46:56 - [STATUS]Boot: Rebuilding HTML
09/12/23 - 10:46:56 - [STATUS]Boot: Initializing Switchers
09/12/23 - 10:46:57 - [STATUS]Switcher: Enabled Broadcast Tools SS16.4 Switcher at Device 0,
COM1 9600 baud
09/12/23 - 10:46:57 - [STATUS]InventoryManager::Purging Files Thread started
09/12/23 - 10:46:57 - [STATUS]Inventory Delete Count 0
09/12/23 - 10:46:57 - [STATUS]ScheduleManager::Start() succeeded, schedule manager started OK
09/12/23 - 10:46:57 - [STATUS]Archive Manager::Starting
09/12/23 - 10:46:57 - [STATUS]AutoFileTrim::Stop() succeeded
09/12/23 - 10:46:57 - [STATUS]AutoFileTrim::Start() succeeded
```

Below is the event logging of OMT Database recordings from various sources using a BTools switcher. Items that do not record successfully will post an error message and code for identification.

```
09/12/23 - 10:52:57 - [SCHEDULE]Schedule item at Every day at 10:53:00 - feed 'abc Port D'
ready
09/12/23 - 10:52:57 - [SCHEDULE]Item activated: 'Wed Dec 23 10:53:00 2009' to 'Wed Dec 23
10:55:01 2009'
09/12/23 - 10:55:01 - [STATUS]Virtual record stop of feed 'abc Port D' on device 100
09/12/23 - 10:59:57 - [SCHEDULE]Schedule item at Every day at 11:00:00 - feed 'abc Port A'
ready
09/12/23 - 10:59:57 - [SCHEDULE]Item activated: 'Wed Dec 23 11:00:00 2009' to 'Wed Dec 23
11:05:01 2009'
09/12/23 - 10:59:57 - [SCHEDULE]Schedule item at Every day at 11:00:00 - feed 'FOX SPORTS'
ready
09/12/23 - 10:59:57 - [SCHEDULE]Item activated: 'Wed Dec 23 11:00:00 2009' to 'Wed Dec 23
11:03:01 2009'
09/12/23 - 11:00:00 - [STATUS]Switcher Connect 7:0
```

HTML access based on IP address can be tracked and monitored through the Event Log.

```
10/02/04 - 11:03:24 - [NETWORK]File Sent: C:\Program
Files\iMediaWave\iMediaLogger\webdata\published\index.html: 227 bytes
10/02/04 - 11:03:24 - [NETWORK]Request complete [1] from [192.168.1.12]
10/02/04 - 11:03:24 - [NETWORK]Connection [1] from [192.168.1.12]
10/02/04 - 11:03:24 - [NETWORK]File Sent: C:\Program
Files\iMediaWave\iMediaLogger\webdata\published\menu.html: 751 bytes
10/02/04 - 11:03:24 - [NETWORK]Request complete [1] from [192.168.1.12]
10/02/04 - 11:03:24 - [NETWORK]Connection [1] from [192.168.1.12]
10/02/04 - 11:03:24 - [NETWORK]File Sent: C:\Program
Files\iMediaWave\iMediaLogger\webdata\published\main.html: 574 bytes
10/02/04 - 11:03:24 - [NETWORK]Request complete [1] from [192.168.1.12]
10/02/04 - 11:03:24 - [NETWORK]Connection [1] from [192.168.1.12]
10/02/04 - 11:03:24 - [NETWORK]Request complete [1] from [192.168.1.12]
```

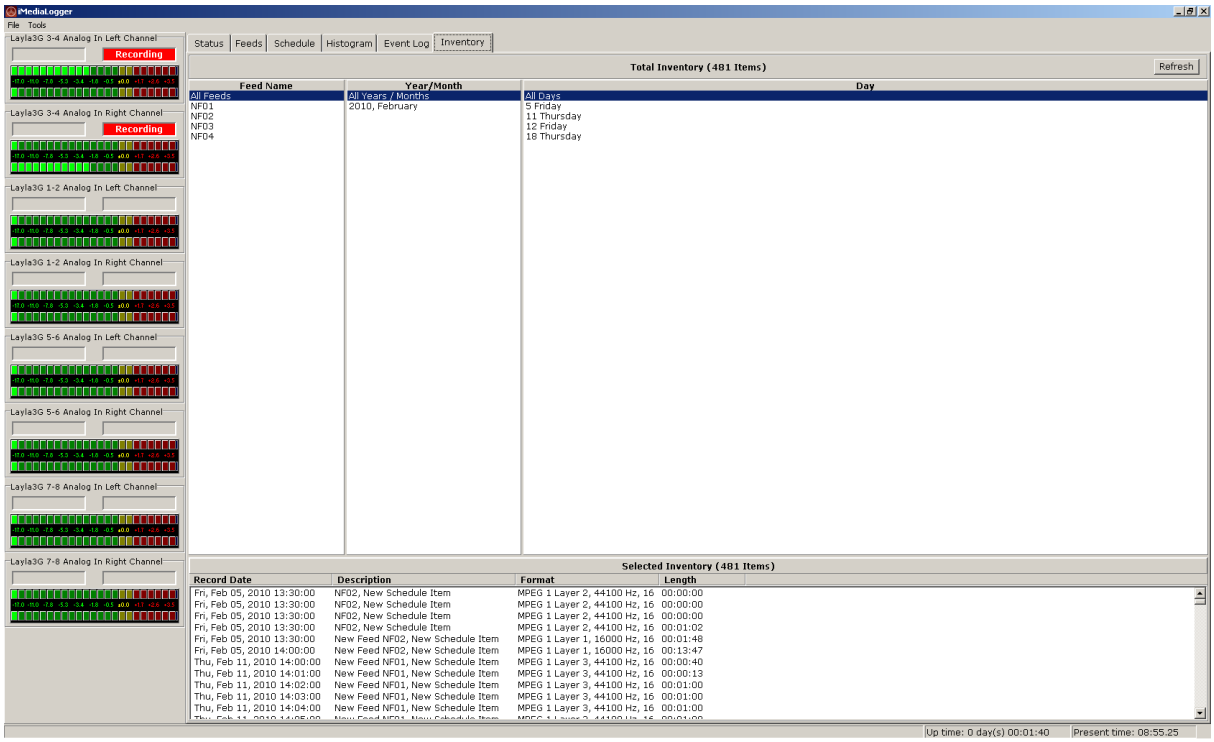
© 2010 OMT Technologies

1.10 Inventory

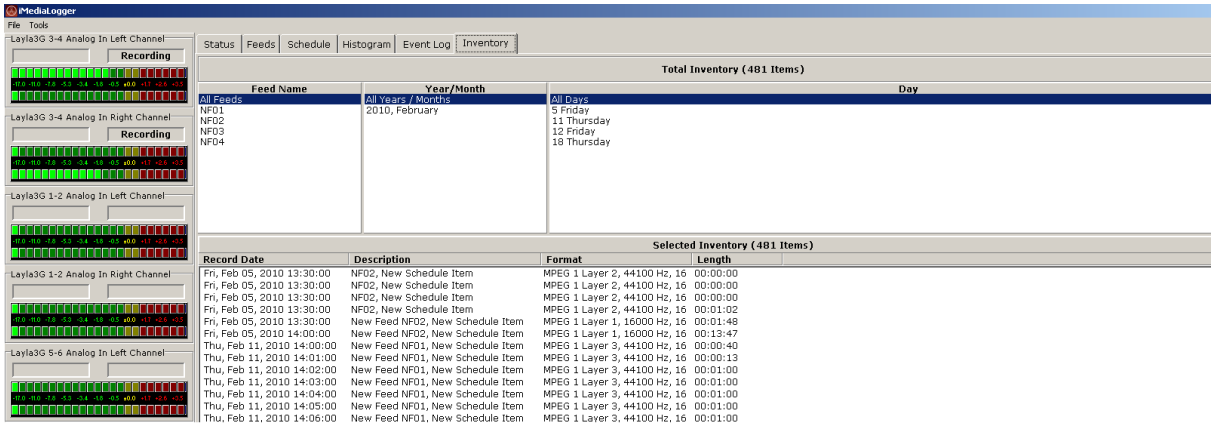
V4 Logger

Inventory:

The Inventory tab in Logger will display all locally recorded audio. This is the same information that can be viewed through the HTML interface for LAN based workstations.


iMediaLogger
File Tools
Layla3G 3-4 Analog In Left Channel
Recording
Layla3G 3-4 Analog In Right Channel
Recording
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 5-6 Analog In Left Channel
Layla3G 5-6 Analog In Right Channel
Layla3G 7-8 Analog In Left Channel
Layla3G 7-8 Analog In Right Channel
Status Feeds Schedule Histogram Event Log Inventory
Total Inventory (481 Items)
Refresh
Feed Name
Year/Month
Day
All Feeds
NF01
NF02
NF03
NF04
All Years / Months
2010, February
All Days
5 Friday
11 Thursday
12 Friday
18 Thursday
Selected Inventory (481 Items)
Record Date
Description
Format
Length
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:00:00
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:00:00
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:00:00
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:01:02
Fri, Feb 05, 2010 13:30:00 New Feed NF02, New Schedule Item MPEG 1 Layer 1, 16000 Hz, 16 00:01:48
Fri, Feb 05, 2010 14:00:00 New Feed NF02, New Schedule Item MPEG 1 Layer 1, 16000 Hz, 16 00:13:47
Thu, Feb 11, 2010 14:00:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:00:40
Thu, Feb 11, 2010 14:01:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:00:13
Thu, Feb 11, 2010 14:02:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Thu, Feb 11, 2010 14:03:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Thu, Feb 11, 2010 14:04:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Up time: 0 day(s) 00:01:40
Present time: 08:55:25

The “Selected Inventory” view can be adjusted by moving the mouse over the top line of the selected inventory window until the “double lines” appear within the mouse pointer. Right click and hold and “pull up” to the desired position.

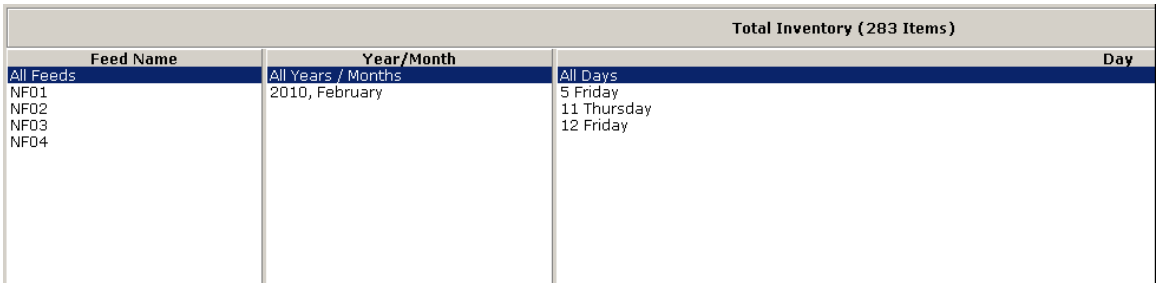

iMediaLogger
File Tools
Layla3G 3-4 Analog In Left Channel
Recording
Layla3G 3-4 Analog In Right Channel
Recording
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Layla3G 5-6 Analog In Left Channel
Status Feeds Schedule Histogram Event Log Inventory
Total Inventory (481 Items)
Feed Name
Year/Month
Day
All Feeds
NF01
NF02
NF03
NF04
All Years / Months
2010, February
All Days
5 Friday
11 Thursday
12 Friday
18 Thursday
Selected Inventory (481 Items)
Record Date
Description
Format
Length
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:00:00
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:00:00
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:00:00
Fri, Feb 05, 2010 13:30:00 NF02, New Schedule Item MPEG 1 Layer 2, 44100 Hz, 16 00:01:02
Fri, Feb 05, 2010 13:30:00 New Feed NF02, New Schedule Item MPEG 1 Layer 1, 16000 Hz, 16 00:01:48
Fri, Feb 05, 2010 14:00:00 New Feed NF02, New Schedule Item MPEG 1 Layer 1, 16000 Hz, 16 00:13:47
Thu, Feb 11, 2010 14:00:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:00:40
Thu, Feb 11, 2010 14:01:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:00:13
Thu, Feb 11, 2010 14:02:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Thu, Feb 11, 2010 14:03:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Thu, Feb 11, 2010 14:04:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Thu, Feb 11, 2010 14:05:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00
Thu, Feb 11, 2010 14:06:00 New Feed NF01, New Schedule Item MPEG 1 Layer 3, 44100 Hz, 16 00:01:00

© 2010 OMT Technologies

V4 Logger

Inventory - Continued:

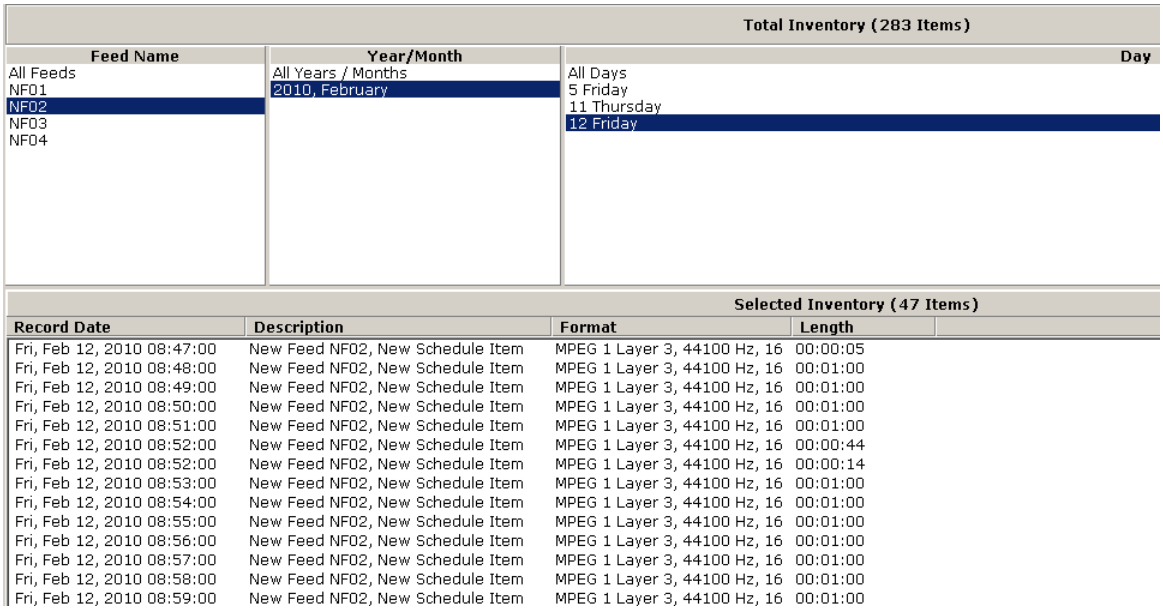
The user can sort the available inventory based on Feed Name, Year/Month or Day. All content will be loaded by default when the Inventory tab is first accessed. The Inventory list is not preloaded upon selecting the Inventory tab and therefore will take some time to load a large inventory. This is by design to remove unnecessary overhead with continuous inventory updating on the Logger application, particularly with 8 and 12 channel applications that require a significant amount of the computer's resources.



Total Inventory (283 Items)

Feed Name	Year/Month	Day
All Feeds	All Years / Months	All Days
NF01	2010, February	5 Friday
NF02		11 Thursday
NF03		12 Friday
NF04		

The example below shows inventory recorded for a specific feed, day and year/month.



Total Inventory (283 Items)

Feed Name	Year/Month	Day
All Feeds	All Years / Months	All Days
NF01	2010, February	5 Friday
NF02		11 Thursday
NF03		12 Friday
NF04		

Selected Inventory (47 Items)

Record Date	Description	Format	Length
Fri, Feb 12, 2010 08:47:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:00:05
Fri, Feb 12, 2010 08:48:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:49:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:50:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:51:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:52:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:00:44
Fri, Feb 12, 2010 08:52:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:00:14
Fri, Feb 12, 2010 08:53:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:54:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:55:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:56:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:57:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:58:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00
Fri, Feb 12, 2010 08:59:00	New Feed NF02, New Schedule Item	MPEG 1 Layer 3, 44100 Hz, 16	00:01:00

© 2010 OMT Technologies

1.11 Appendices

The following "How To" guides are also available from our website at www.imediatouch.com/help

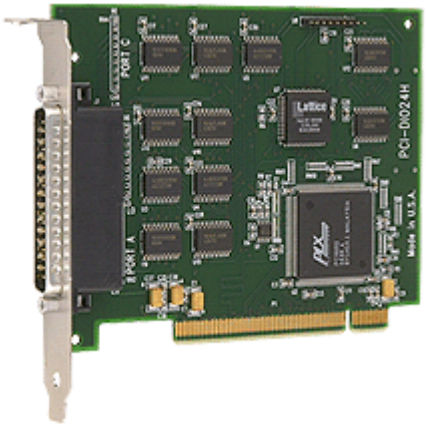
© 2010 OMT Technologies

1.11.1 DIO 24H PCI Closure Card

“HOW TO” SERIES

2.6.X, 3.X and 4.X

SETUP WITH THE DIO – 24H MEASUREMENT COMPUTING PCI CARD



Revised February 2010

© 2010 OMT Technologies

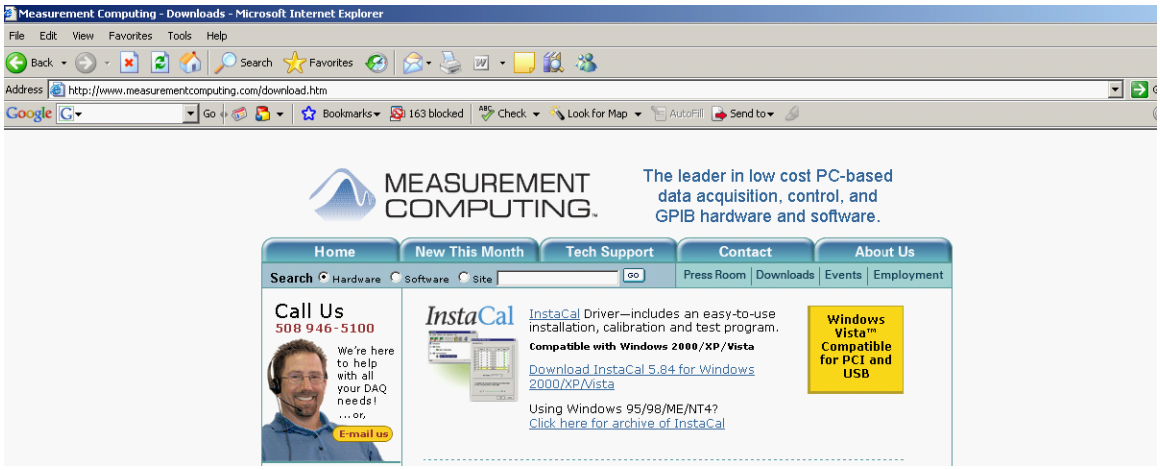
Setup for the DIO – 24 H card and iMediaLogger

The DIO – 24H card requires 3 – 2.2K 9 Pin SIPS (Pull up resistors) and a 5 volt DC power source if using output closures to drive relays or logic circuits. The software for the DIO card is the InstaCal software and is available for direct download at:

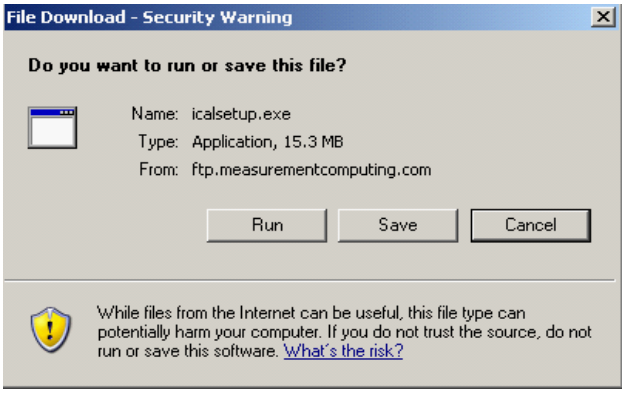
http://www.measurementcomputing.com/download.htm

You can install the DIO card prior to installing the InstaCal software and simply cancel the Windows installer when it appears after reboot. To install the InstaCal software:

- Download the "InstaCal" software by selecting clicking on the above link. You can click on the highlighted link from the download section shown in the screen shot below.

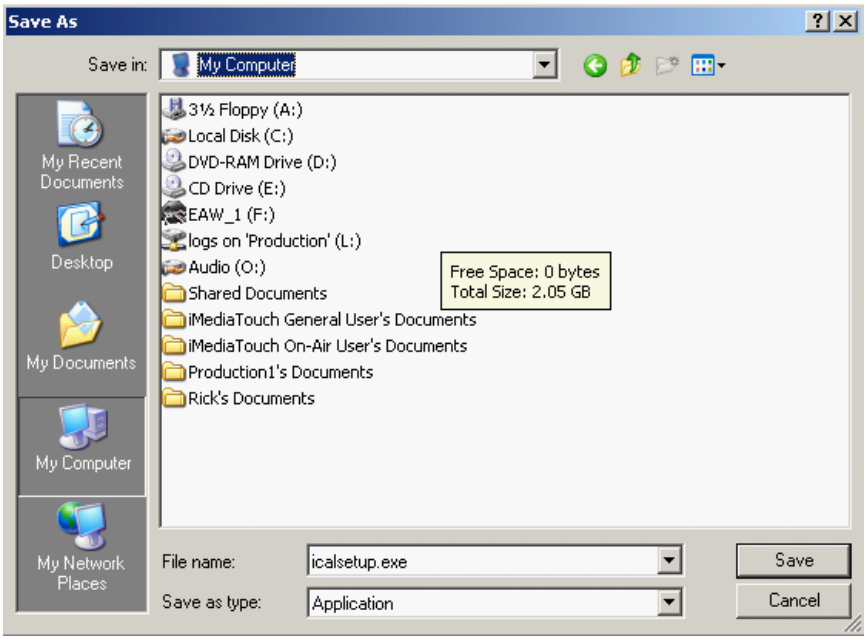


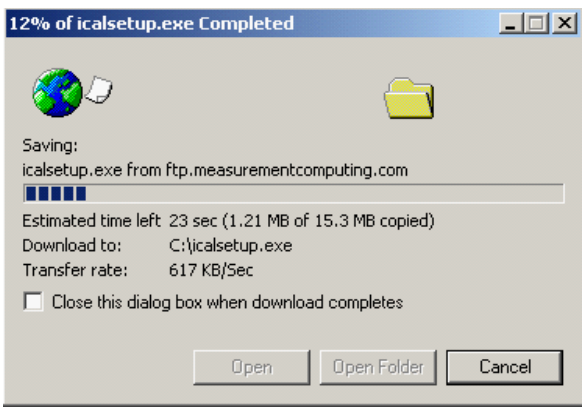
You will see this screen after clicking on the "InstaCal" link.

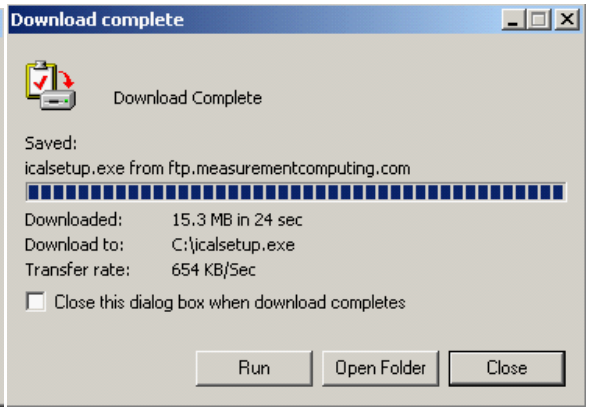

File Download - Security Warning
Do you want to run or save this file?
Name: icalsetup.exe
Type: Application, 15.3 MB
From: ftp.measurementcomputing.com
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

© 2010 OMT Technologies

Find a suitable location to download the program.





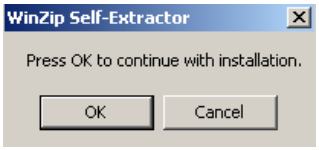


After saving to a known location, double click the icalsetup.exe file and follow the installation steps. It is OK to "Run" the program.

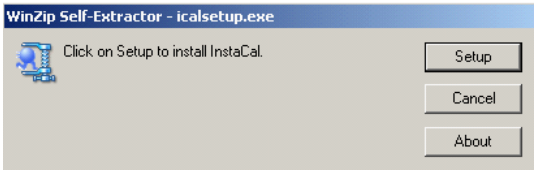
Open File - Security Warning
The publisher could not be verified. Are you sure you want to run this software?
Name: icalsetup.exe
Publisher: Unknown Publisher
Type: Application
From: C:\
Run
Cancel
Always ask before opening this file
This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust.
How can I decide what software to run?

© 2010 OMT Technologies

Windows XP has a built in WinZip extractor and you should see the following screen. Proceed by clicking "OK".



Now click on "Setup".

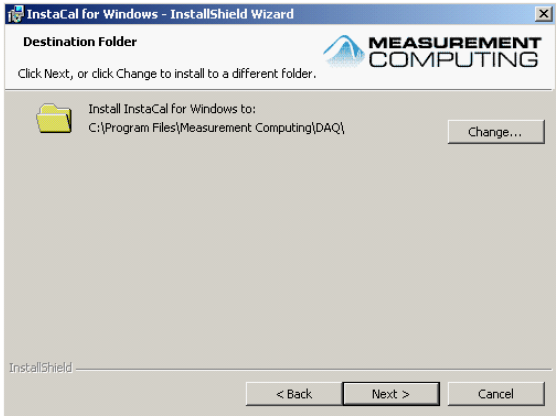


The files will extract and then you should see the following screen.

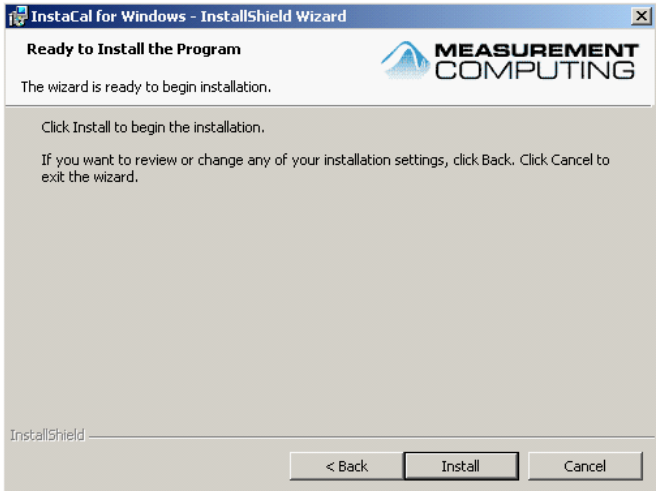
InstaCal for Windows - InstallShield Wizard
Welcome to the InstallShield Wizard for InstaCal for Windows
The InstallShield(R) Wizard will install InstaCal for Windows on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
MEASUREMENT COMPUTING
< Back
Next >
Cancel

Click "Next" then you will see the screen below.

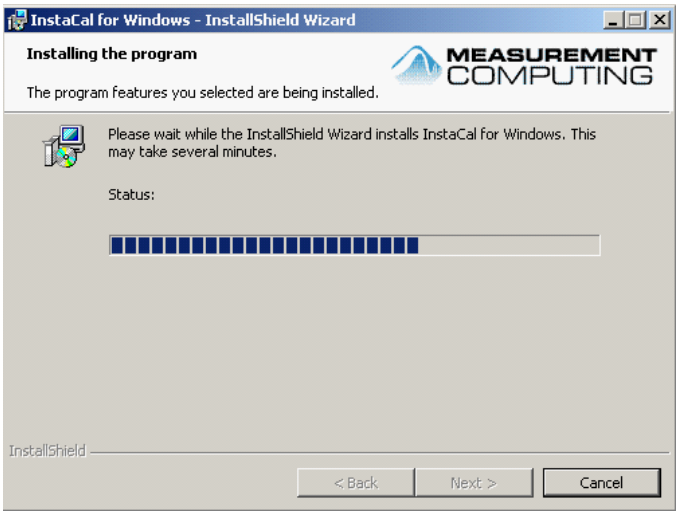
© 2010 OMT Technologies



If the location is suitable, click "Next" then you should see the following screen.

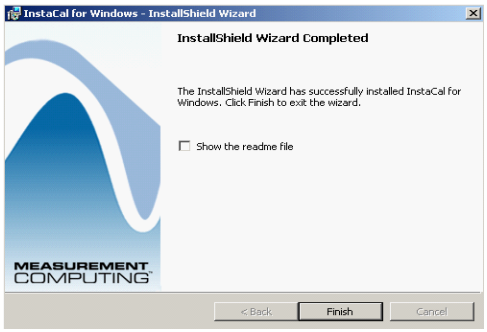

InstaCal for Windows - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
MEASUREMENT COMPUTING
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Click "Install"

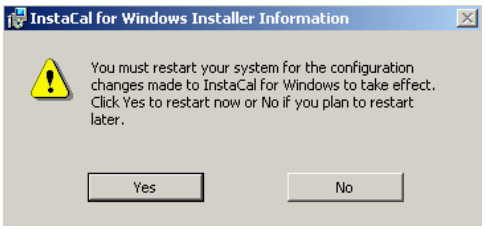

InstaCal for Windows - InstallShield Wizard
Installing the program
The program features you selected are being installed.
MEASUREMENT COMPUTING
Please wait while the InstallShield Wizard installs InstaCal for Windows. This may take several minutes.
Status:
InstallShield
< Back
Next >
Cancel

© 2010 OMT Technologies

You should see the following screen when completed.

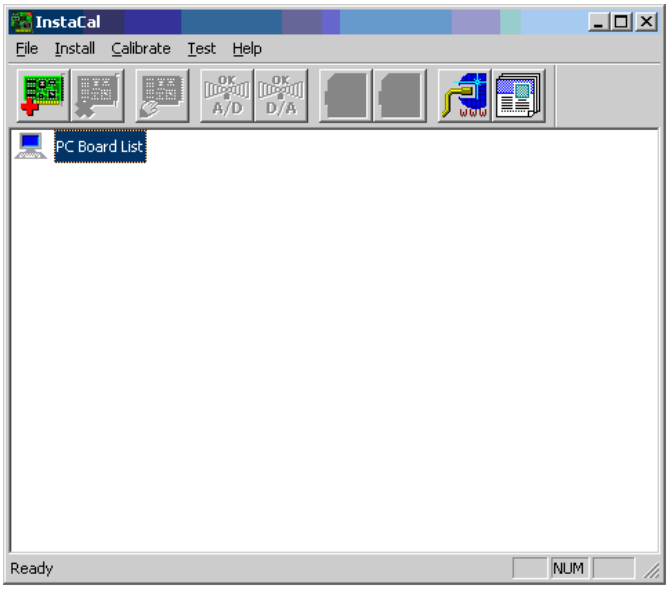

InstaCal for Windows - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed InstaCal for Windows. Click Finish to exit the wizard.
Show the readme file
MEASUREMENT COMPUTING
< Back
Finish
Cancel

After the installation is complete you will be prompted to reboot your computer.


InstaCal for Windows Installer Information
You must restart your system for the configuration changes made to InstaCal for Windows to take effect. Click Yes to restart now or No if you plan to restart later.
Yes
No

Once the computer has rebooted, go to the "Start" button from your desktop, select "Programs" and locate the InstaCal program.

You will need to select the PCI card displayed under "PC Board List" then double click and this will initialize the card and make it ready for use verified by the Interrupt and port values displayed.



© 2010 OMT Technologies

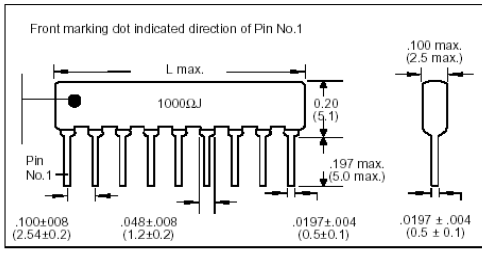
Special Notes:

The DIO – 24H card does not require SIPS if you are providing "dry" input closure. If you are using "logic" inputs or driving relays from sinking output current, you will require the SIPS. The SIPS are generally 2.2K in value and slightly higher values will work with less available current output.

STANDARD RESISTANCE (OHMS):

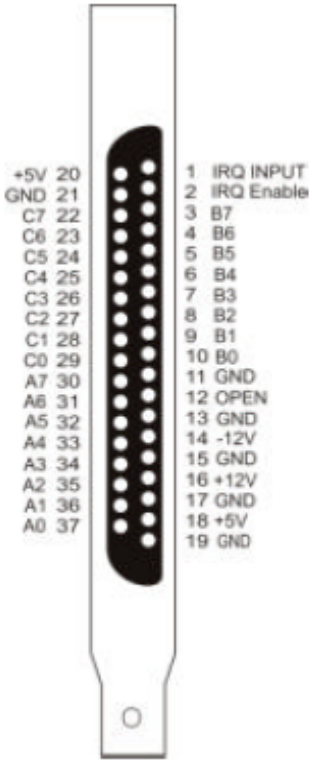
22	150	1K	6.8K	47K	330K
27	180	1.2K	8.2K	56K	390K
33	220	1.5K	10K	68K	470K
39	270	1.8K	12K	82K	560K
47	330	2.2K	15K	100K	680K
56	390	2.7K	18K	120K	820K
68	470	3.3K	22K	150K	1M
82	560	3.9K	27K	180K	
100	680	4.7K	33K	220K	
120	820	5.6K	39K	270K	

DIMENSIONS (Inches and (mm)):



No. of Pins	L Max. Inches (mm)
4	0.4 (10.16)
5	0.5 (12.7)
6	0.6 (15.24)
7	0.7 (17.78)
8	0.8 (20.32)
9	0.9 (22.86)
10	1.0 (25.40)
11	1.1 (27.94)
12	1.23 (31.00)
13	1.33 (33.68)
14	1.40 (35.56)

Now that the software for the DIO card is installed and the card has been initialized, you can power off the PC and begin wiring the CIO – 37 breakout card (if supplied). The DIO card can be wired directly from the back of the unit or wired from the CIO – 37 interface as the pin outs are the same.



© 2010 OMT Technologies

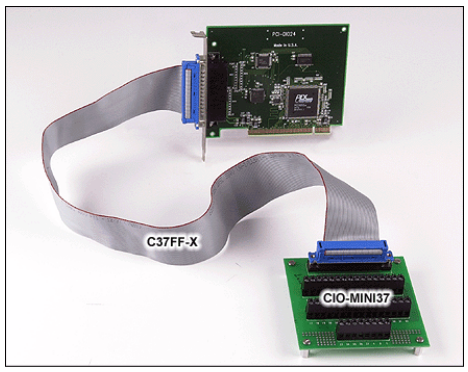
Port "A" and Port "B" are designated within Media Touch applications as inputs DIO 1 through 16. The outputs are assigned to Port "C" and are labeled as output DIO 1 through 8 respectively.

Inputs		Outputs	
A0 – DIO 1	Pin 37	C0 – DIO 1	Pin 29
A1 – DIO 2	Pin 36	C1 – DIO 2	Pin 28
A2 – DIO 3	Pin 35	C2 – DIO 3	Pin 27
A3 – DIO 4	Pin 34	C3 – DIO 4	Pin 26
A4 – DIO 5	Pin 33	C4 – DIO 5	Pin 25
A5 – DIO 6	Pin 32	C5 – DIO 6	Pin 24
A6 – DIO 7	Pin 31	C6 – DIO 7	Pin 23
A7 – DIO 8	Pin 30	C7 – DIO 8	Pin 22
B0 – DIO 9	Pin 10		
B1 – DIO 10	Pin 9		
B2 – DIO 11	Pin 8		
B3 – DIO 12	Pin 7		
B4 – DIO 13	Pin 6		
B5 – DIO 14	Pin 5		
B6 – DIO 15	Pin 4		
B7 – DIO 16	Pin 3		

Once you have wired up the DIO card directly or the CIO – 37 interface and provided external DC power and GND/Common, you can power up the PC and configure the Media Touch application (ONAIR or Logger) to the appropriate DIO pins.

Special Notes:

DO NOT attach the CIO – 37 interface and an external 5 volt power supply while the computer is running as you may damage the card and/or cable. The state of the device will be unknown and the cable could be destroyed through shorting and/or overheating.



© 2010 OMT Technologies

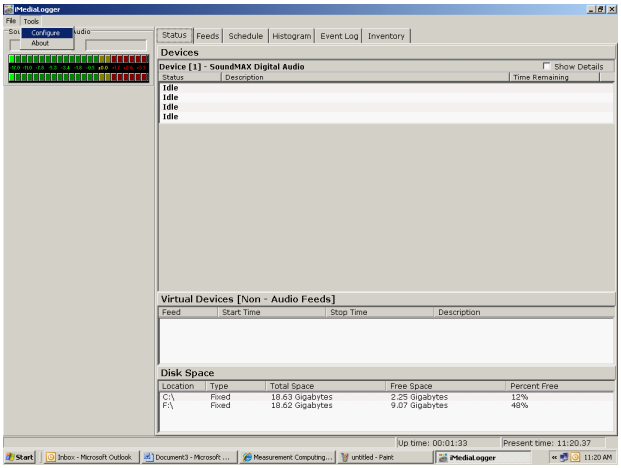
John Brunson, Chief Engineer at Troy State University has noted that the internal computer power supply provides a very solid +5, +12 volt source thus eliminating the requirement for an external supply when using output closures. A small wire extension from an open plug or the purchase of a Molex plug with extension wires allows for quick and easy connection to a 5 or 12 volt source. The external pins receive power the same time as the computer is starting so the power and card are always in sync. This also prevents accidentally applying power externally to the card while the computer is running which can cause damage in some instances.

The output closures when configured as "Hi" or "Source" will provide a logic high when inactive and a logic low when active. When the SIPS are configured for "Low" or "Sink", the output will show a logic low when inactive and logic high when active. The three ports are clearly labeled on the DIO card with Hi and Low at each end of the SIP socket.

You can test your cards input/output functions from the "Test" tab on the main page of the InstaCal program. Placing a jumper across B0,C0; B1,C1;, etc. and selecting "Test" for the corresponding pair that you have wired together will verify the connection is made electrically and eliminate a great deal of guesswork when trouble shooting.

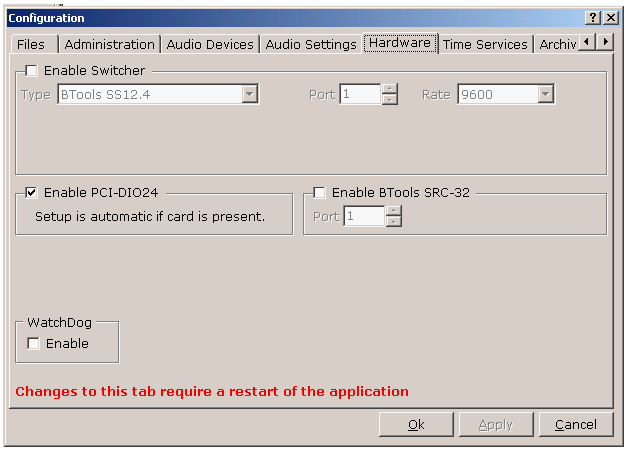
Once we have verified all closures are working on the card, we are now ready to configure the Logger software for use with the DIO – 24H card.

In Logger, go to "Tools" then "Configure"



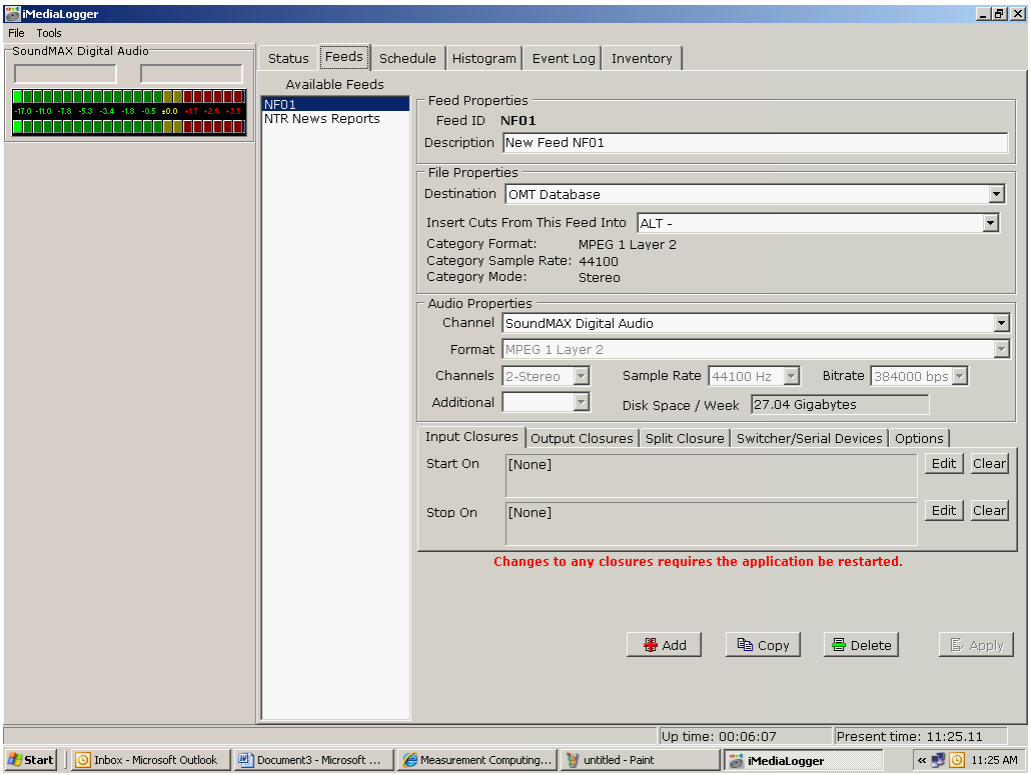
© 2010 OMT Technologies

Under “Hardware” you will find a checkbox to enable the DIO card.



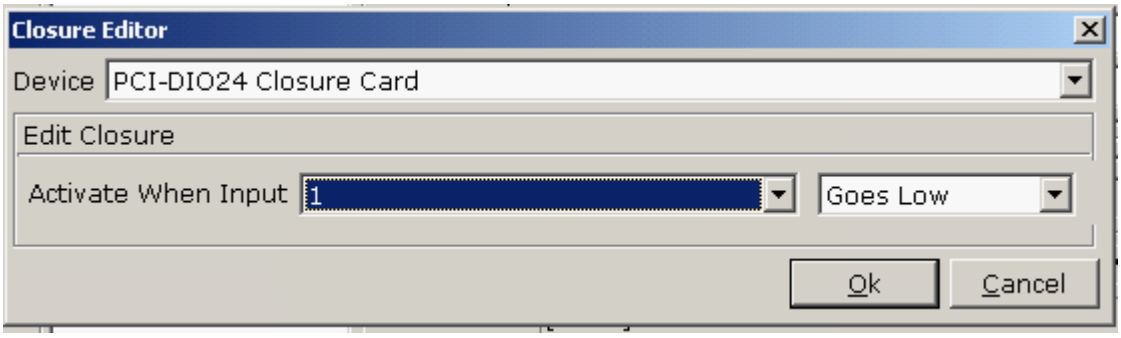
Once enabled, click “Apply”, then “OK”. Restart the Logger application to save the configuration.

To select a specific closure assignments for input or output go to the “Feeds” tab from the main Logger window.



Select the appropriate input or output you have wired from the “Edit” button on the “start” or “stop” functions.

© 2010 OMT Technologies



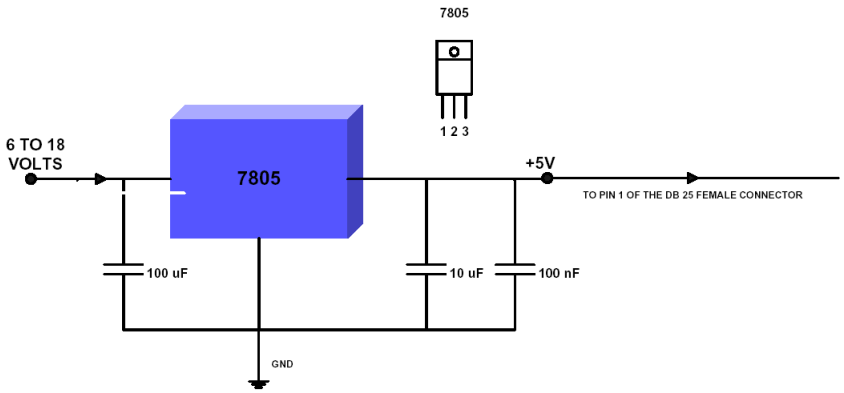
NOTE: The pin out designation in Logger will refer to the number 1 instead of DIO 1 as with the ONAIR application. This is also the case with the output closure functions.
In most cases, the DIO card is configured for "high" with the SIPS. This refers to "sourcing" and the transition will go from high to low and therefore, the input will become active when set to "low".

If you are current "sinking" the DIO card, the reverse would hold true with respect to the "high/low" transitioning.

You can now set up your scheduling fields under fulltime logging, daily or one shot and begin recording based on closures.

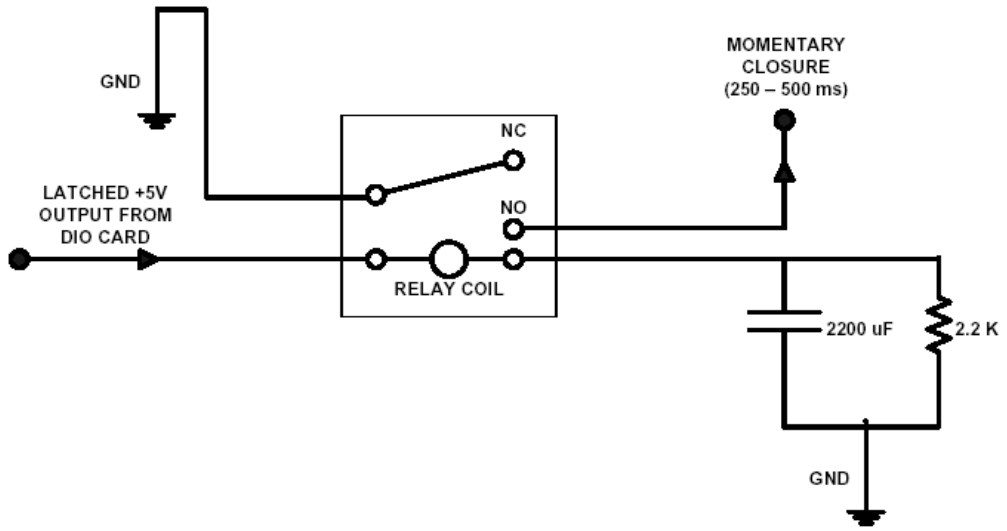
Special Notes:

The output from the DIO card is "latched" or static and will require additional circuitry to provide a "Momentary" output. The following diagram provides a simple but effective way to create a momentary output from the DIO card. The "Box-O-Relays" from Broadcast Tools or similar device from other vendors will accomplish the same task and can be readily purchased.



THIS SIMPLE REGULATOR CIRCUIT WILL PROVIDE UP TO 1 AMP OF CURRENT WITH THE APPROPRIATE HEATSINK

© 2010 OMT Technologies



The relay coil is a model that can accept a logic level voltage and current (TTL). The capacitor allows the coil of the relay to be energized until the capacitor stores a charge, thus de-energizing the coil. The resistor bleeds off the charge of the capacitor when positive voltage is removed from the other side of the coil. You can increase the output time by simply changing the value of the capacitor. This one will give you about a 1/2 second output.

To take advantage of all 8 output closures, 8 of the above RC relay circuits would be supplied and can be easily built with generic circuit boards available at most electronic shops. The relays used for testing were 5 volt micro relays for use with telecom and data applications.

There would be three main components to building your own momentary pulsed output device. These components would include the power supply, the relay section and their components, and the interconnection which can be nicely accomplished through a DB 25 connector.

Place all into a compact plastic or metal project case and supply an external 5 volt DC power supply and you have a solid reliable piece of hardware.

© 2010 OMT Technologies

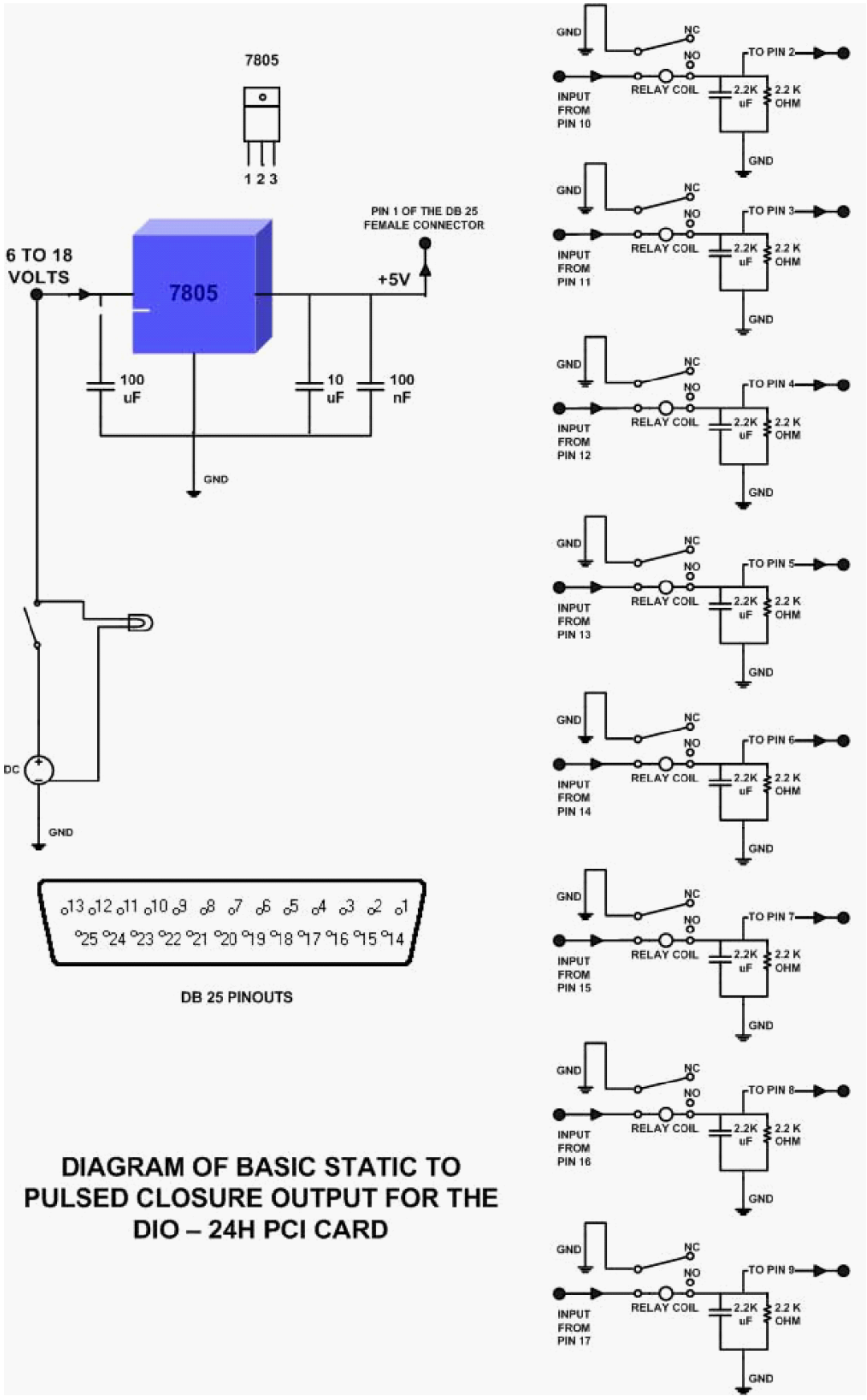
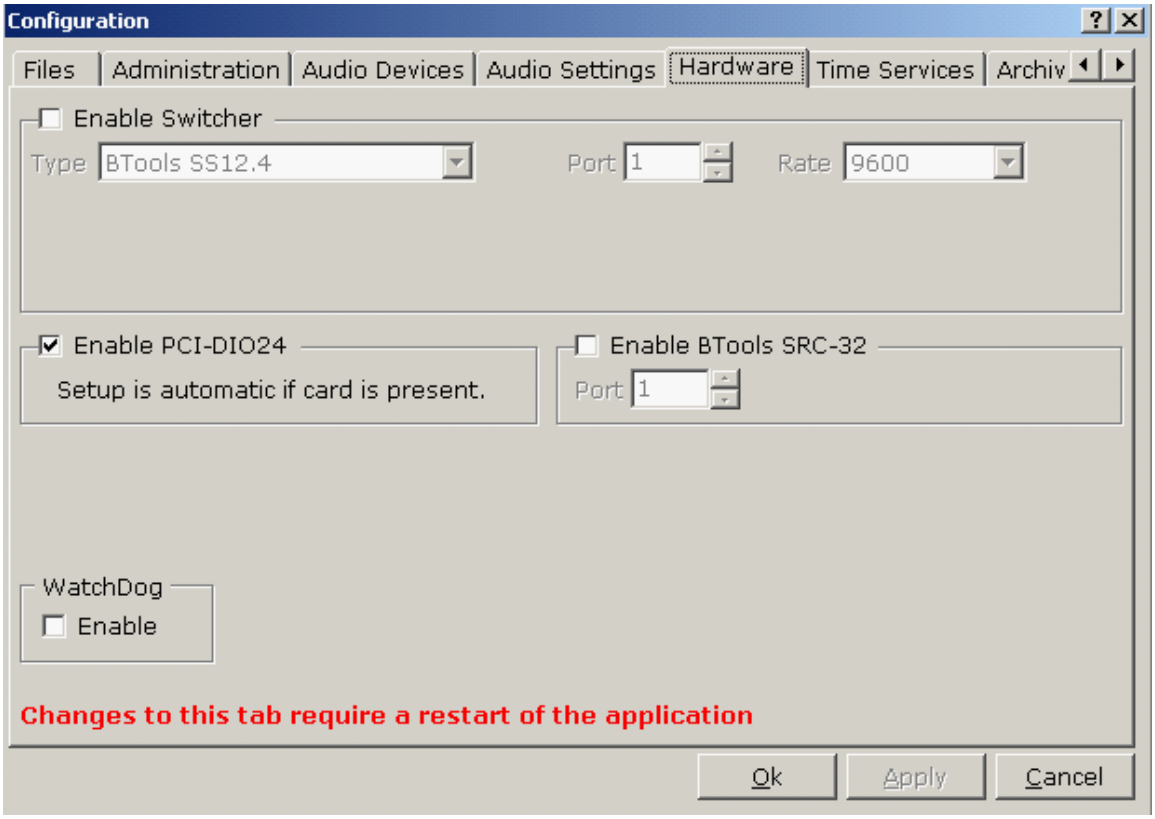


DIAGRAM OF BASIC STATIC TO PULSED CLOSURE OUTPUT FOR THE DIO – 24H PCI CARD

© 2010 OMT Technologies

Setting up Pre-Recorded Satellite Events

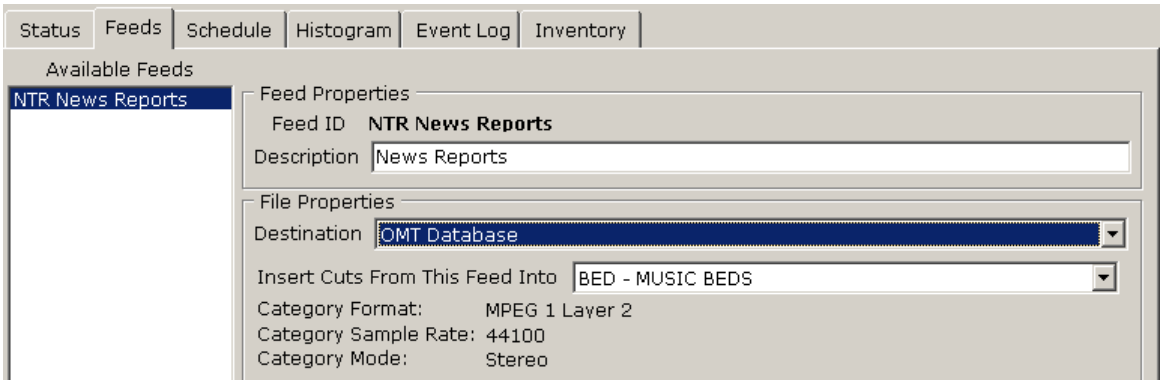
Logger can pre-record Satellite show through the "split on closure" function by assigning a switch/closure device initially with the Logger. If you have a DIO-24H card from Measurement Computing, a Klotz control surface system, most BTools switcher/closure devices or a serial switcher/closure device that can accept ASCII or HEX, it can be configured from the "Configuration" page under "Hardware".



The above screen shot shows a PCI-24H card being enabled as the closure device.

Once you have a valid switcher/closure device enabled, re-launch the Logger application so it can read the new system information being applied. Upon the restart, go to the "Feeds" section of the Logger application and create a feed for the show you wish to record. Since the show will be recorded directly to your OMT audio server and database, you must select the "OMT database" as the destination under "File properties".

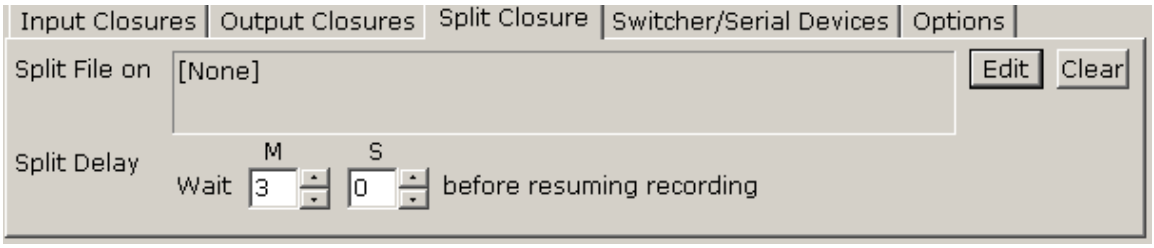
© 2010 OMT Technologies



You will have the choice of selecting any category you would normally see from iMedia Touch Production. The above example is using the "BED" category to pre-record a news program that comes down in segments and the show will last for 2 hours. The show you are recording could be "Rush Limbaugh", "Dr. Laura" or any host or available satellite feeds you would normally send live to air and can be relatively any length.

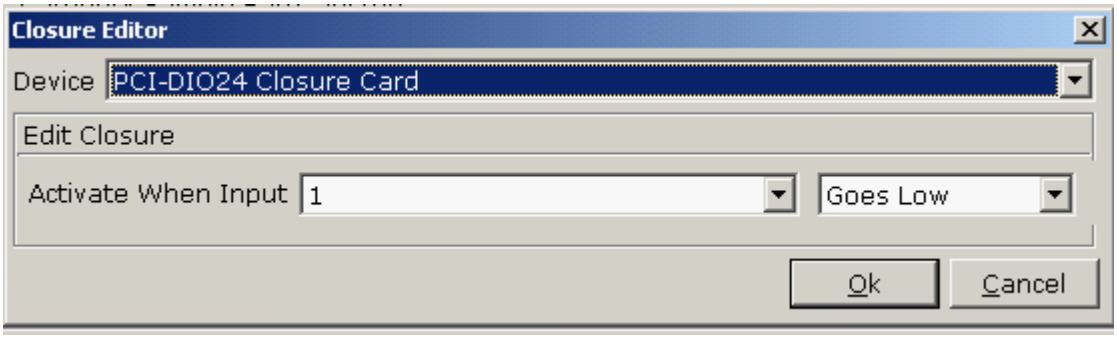
Once you have selected the category of choice and given the feed a name and description, note that the audio format of the category you have selected is preset under what was originally created through Production.

There are two settings to adjust under the "Split Closure" tab. The first setting is the time or duration that the Logger is to "Wait" after receiving a closure from your satellite provider. The example below has been set to wait 3 minutes after receiving a local break.

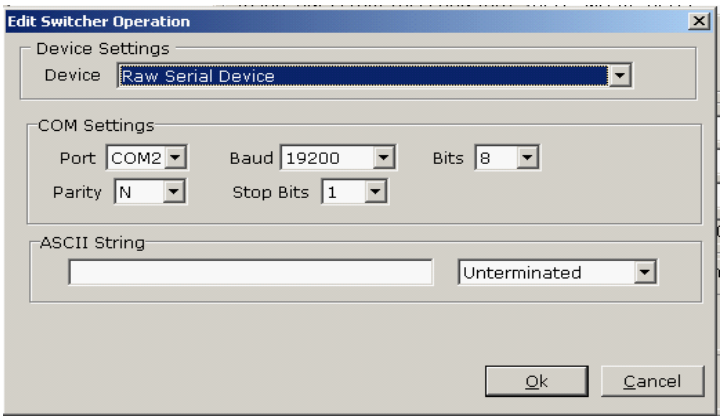


The second setting is to select the corresponding closure pin for your switcher/closure device to provide the end of recording for each segment when going to local break.

© 2010 OMT Technologies



If you are using a switcher device, you will also select the input channel on that device that will be supplying the audio for that particular feed event.

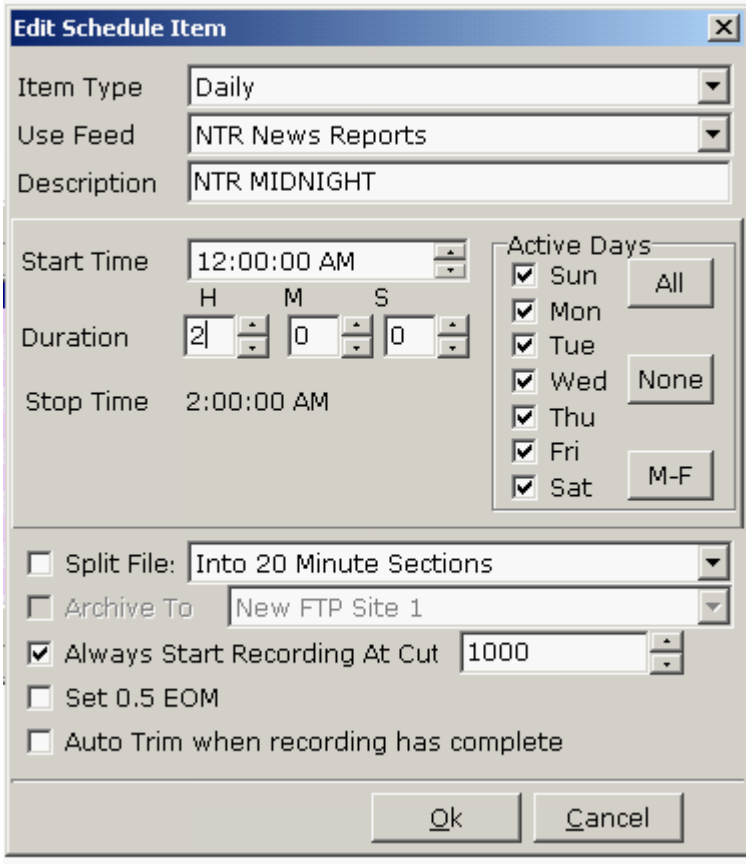


Once you have your audio input/output and closure selected, you can now schedule the event to occur. Using your satellite provider clock or time sheet, establish the overall length of the show you wish to record and create a schedule item for that time under "Daily Scheduler".

Special Notes:

IMedia Logger can support the Klotz control system, Broadcast Tools SS4.2, SS8.2, SS16.4, ACS 8.2, SRC 32, and the GPI 32 all within the drop down selection within the Hardware section of the Configuration Page. You can successfully run a BTools serial device and a DIO -24H card on the same computer. This will provide audio routing up to 16 channels and 32 input and 24 output closures between the two devices. The Klotz control system can provide almost unlimited audio and GPI connections based on the number of frames purchased and configured.

© 2010 OMT Technologies

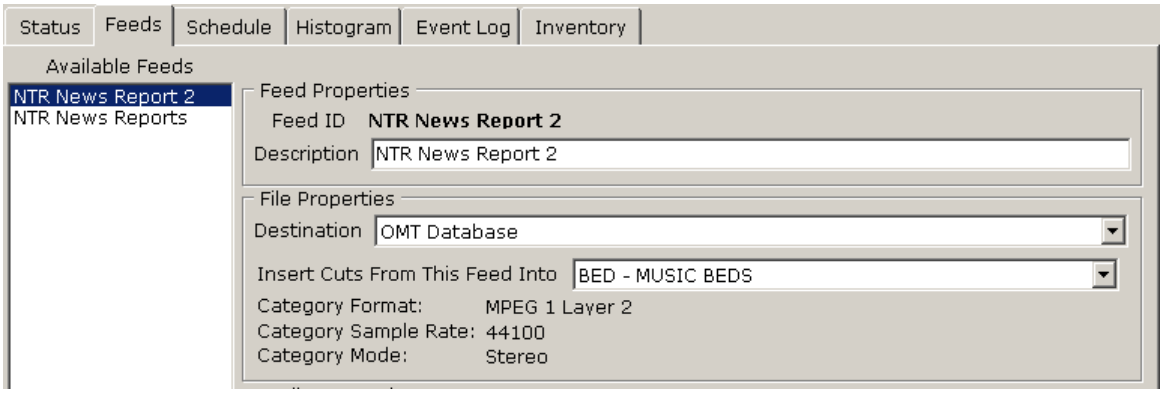


The above example shows a scheduled recording that is to start at midnight and stop at 2:00AM. The checkbox has been enabled for "always start recording at" so the first segment will record under cut number 1000. The Logger will then stop recording upon closure, wait 3 minutes, then increment the next recording by one and the following segment within the specified 2 hour window will be 1001, 1002, etc.

This particular example has 9 segments with floating closures and a fixed commercial or local break of 3 minutes. In the event you have satellite shows with different length commercial or local breaks, create new feeds with specific lengths placed for each local break.

NOTE: Version 3.1.X and Version 4 can now accommodate different length breaks with closure delay template in the Daily Scheduler Edit window.

© 2010 OMT Technologies

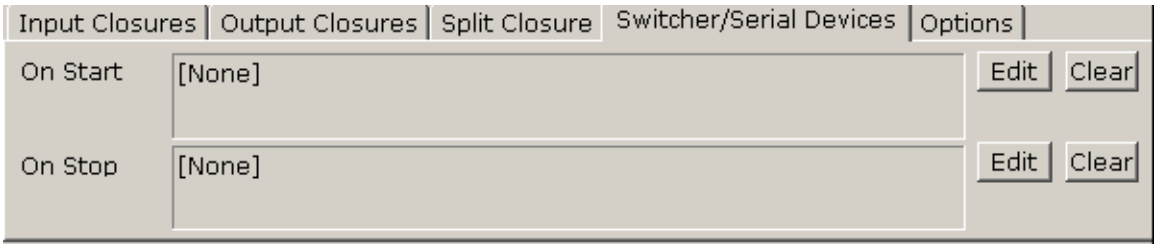


If the first hour of the show took a 3 minute break and the second hour took a 2 minute break, then you would create two separate feed and schedule items to reflect the two different length breaks. I recommend using a 2000 series cut number for two minutes, 3000 series for 3 minutes, etc.

How do I route feeds from receivers to be recorded into the iLogger?

Similar to the explanation above, you would assign a switcher/closure device under "Configuration" from the main Logger window and "Hardware". If you have a BTools device, you would select the corresponding model and assign a baud rate of 9600 on the corresponding COM port.

Once you have configured the hardware section, you would then create a feed under the appropriate naming convention and select the OMT database if you wish to have the recording available for playback directly from the audio and database server. If you do not require the recording to be on the audio server but local to the Logger, you would select the "Default destination".



You can now configure the appropriate input and output along with closures for "On Start" and "On Stop" edit buttons.

© 2010 OMT Technologies

For Media Touch system support:

OMT Support

1-800-726-2635

support@imediatouch.com

To report a bug or place a feature request:

QA and Product Management

rlandry@imediatouch.com

To purchase Media Touch Software:

Jackie Tetlock

Sales Manager

Jtetlock@imediatouch.com

To purchase Media Touch Support:

Brenda Barteaux

Support Administrator

supportadmin@imediatouch.com

© 2010 OMT Technologies

1.11.2 Broadcast Tools GPI - 32 USB Closure Device

“HOW TO” SERIES

HOW TO INSTALL THE BROADCAST TOOLS GPI 32 WITH LOGGER 2.6.X, 3.X, and 4.X

Revised February 2010

© 2010 OMT Technologies

OVERVIEW

OMT Technologies is always searching and testing the latest in cost effective interfacing hardware with our software solutions to provide exceptional value in your OMT software purchase. Software such as ONAIR and Logger are powerful automation and audio solutions that are enhanced with simple and reliable hardware interfacing devices.

The GPI 32 device from Broadcast Tools is a 32 input closure only device capable of interfacing directly through you RS 232 COM port or through a USB port with supplied SMART cable (USB to 9 PIN).

Installation is simple and executes the same "PIP" commands that OMT software code for the SRC 32 Broadcast Tools device. This is a simple and cost effective way to utilize the USB port on your ONAIR or Logger computer and provide up to 32 input closures, especially when most new computers are relying on USB only for external serial communication.

GPI are clearly labeled on the back of the GPI 32 showing all inputs and common connections and are contained on two connectors with 16 closures on each. The GPI 32 allows for wall or rack mount installation.

This device is equally suited for interfacing with StarGuide II/III receivers as there is are two DB37 ports on the back of the GPI 32 for direct connection to the receiver.

We hope you find this guide and all other documentation available for OMT software useful. Please contact support@omt.net for any questions or concerns regarding the installation of this unit with your Media Touch software.

This document is brought to you by the OMT Support Team.

© 2010 OMT Technologies

INSTALLATION

Please read the Broadcast Tools GPI 32 manual before installing this device as it will provide an outline of how the device functions and its requirements. The following is an excerpt from the Broadcast Tools manual.

The GPI-32 interfaces 32 optically isolated inputs to a users PC's RS-232 or USB port. The serial data conforms to our standard switcher PIP format. The GPI-32 is equipped with dual plug-in Euroblock connectors and two independent DB-37 connectors that may be interfaced directly to the DB-37 connectors located on the StarGuide II/III relay cards. Additional features: dual RS-232 connectors, one for daisy-chaining multiple units on the same legacy serial port and a DB-9 to interface to our supplied USB adapter; LED indicators for power and input activity; twin power connectors allowing up to four units to be driven off of one power transformer. The GPI-32 is supplied with two 3-foot mating DB-37 connecterized cables, serial cable and wall transformer. The GPI-32 is powered by a surge protected internal power supply. The GPI-32 may be mounted on the optional RM-3 mounting shelf.

Maintain proper installation techniques including UPS, static and lightning protection and proper wiring standards. If you are running extender cables, be sure to take RF, line voltage, distances and proper shielding techniques into consideration as this can affect the performance of both out software and this device.

BEFORE POWERING UP THE GPI 32

There are two Phillip #2 screws on the top of the Broadcast Tools unit that will need to be removed to adjust the "DIP" switches. Switch 5 and 6 should be set in the up or on position and remaining switches in their default or off state. Replace the cover when complete.

BEFORE YOU CONNECT THE GPI 32 TO YOUR COMPUTER VIA USB TO 9 PIN CABLE

You can save time by downloading the Virtual Com Port driver (VCP) to a folder on your ONAIR or Logger computer. "Unzip" or "Extract" the USB Serial driver files before rebooting your computer with the

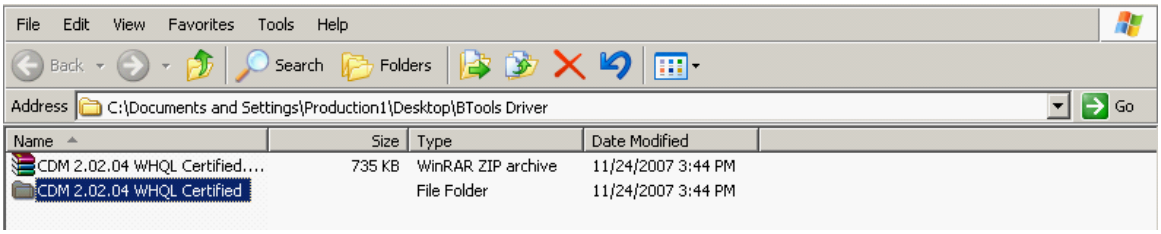
hardware attached. You will require a USB Serial device driver and OMT Support have verified that Royalty Free drivers are available at:

© 2010 OMT Technologies

http://www.ftdichip.com

The CDM 2.02.04 has been verified and used in this guide.

Create a folder on the "C:\" root or convenient location to save the driver file. Extract the file in the same folder location.


File Edit View Favorites Tools Help
Back Search Folders
Address C:\Documents and Settings\Production1\Desktop\BTools Driver
Go
Name Size Type Date Modified
CDM 2.02.04 WHQL Certified.... 735 KB WinRAR ZIP archive 11/24/2007 3:44 PM
CDM 2.02.04 WHQL Certified File Folder 11/24/2007 3:44 PM

NOW YOU CAN CONNECT

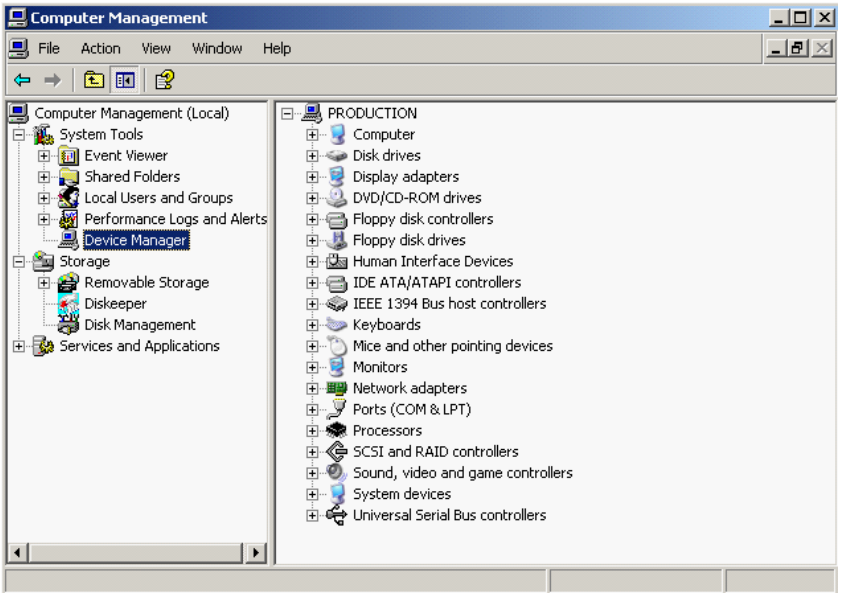
Be sure to connect the USB cable and power supply to the GPI 32 while the computer you are connecting to is "off". Verify that the power is on the GPI 32 device and this can be determined by the green led beside the power cord jack.

Power up the computer and your Windows operating system should find new hardware.

Do not allow Windows to install automatically, rather, specify a location and point to the folder location where you have extracted the zip driver files. Windows should now recognize the driver and install successfully.

To verify, right click "My Computer" from the desktop and double click device manager. There should be no warnings or errors in any of the devices listed.

© 2010 OMT Technologies

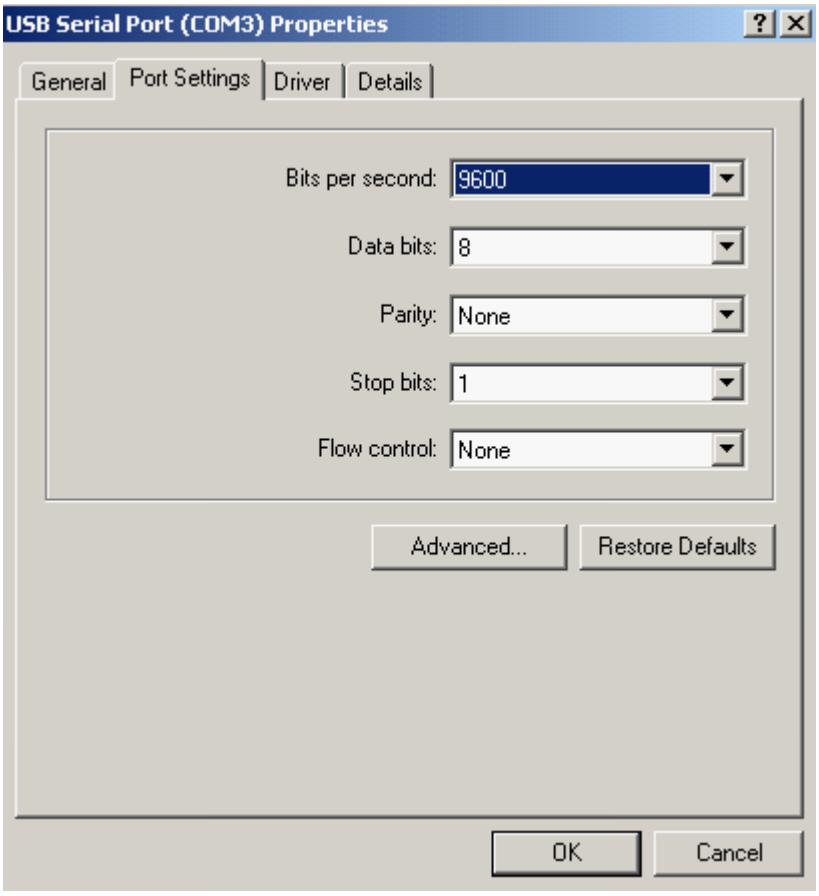


Double click on Ports (COM & LPT) and verify there is a USB serial device driver installed.

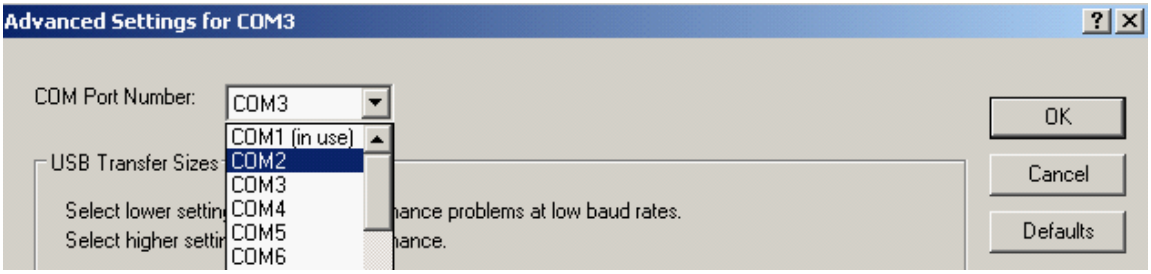
You may want to change the COM port that the new USB serial driver is currently on to ensure the available ports are sequential, especially if you are adding additional serial ports through a PCI card or USB device.

To change the COM port to a different value, double click on the USB Serial Port from the Ports (COM & LPT) section of the Device Manager. Select the Port Settings" tab and click on "Advanced". This example shows the port active on COM 3. Be sure to save your "Bits per second" at 9600 baud rate as it may be created at 2400 when Windows first installs the new port.

© 2010 OMT Technologies

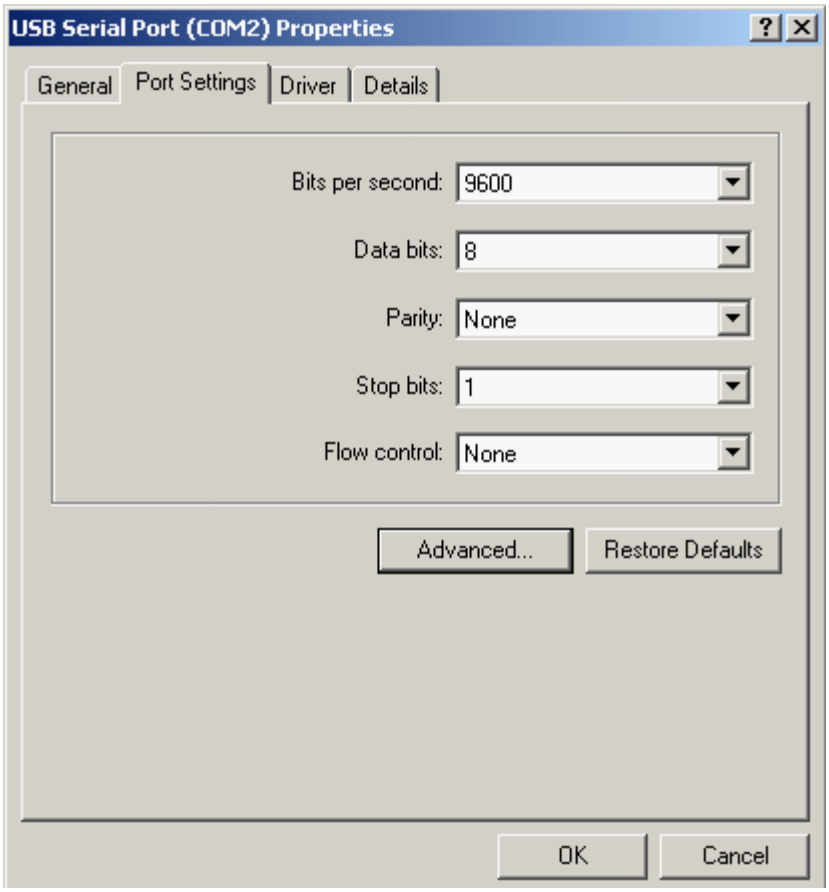


The following screen will allow you to select an open or available COM port in Windows.



The above example is changing COM 3 to COM 2. After you click "OK", you should see the following screen showing the correct COM port number in the display.

© 2010 OMT Technologies



Reboot the computer as the COM port will need to be reinitialized through Windows. Now you are ready to configure your Media Touch ONAIR or Logger upon restart.

NOTE: You can also run the GPI-32 at 38,400 by changing the value in Windows, in the Logger Configuration and by changing the DIP switches on the GPI-32. This is available on Versions 3.X and 4.X of Logger.

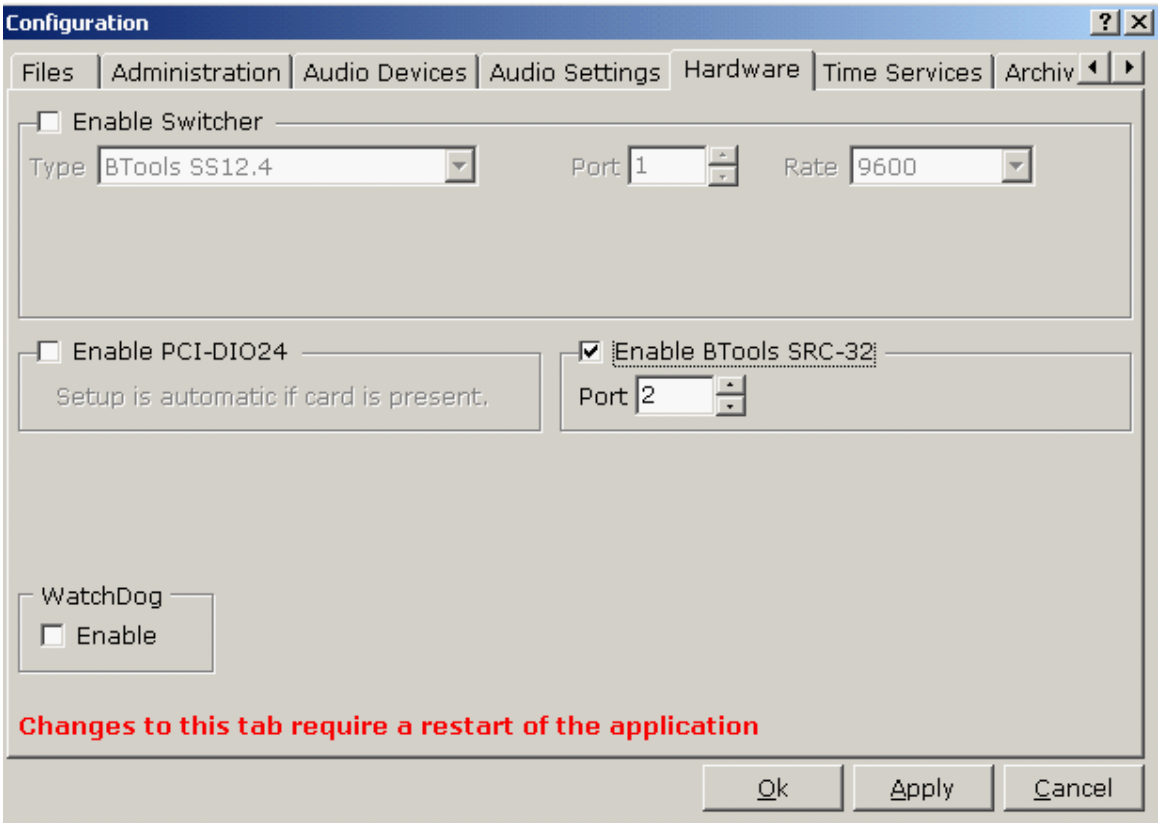
If you are experiencing "lag" at the 9600 rate on closures, then increase to 38,400.

© 2010 OMT Technologies

LOGGER CONFIGURATION

Once the VCP software is installed (see previous driver setup), configuring Logger is relatively simple. Start the Logger application and from the top left corner, click on "Configure" then "Hardware".

You should see the following display.



Enable the SRC 32 device as the input codes are the same as the GPI 32 and select the appropriate COM port. You will need to restart your Logger application once you have saved your configuration settings.

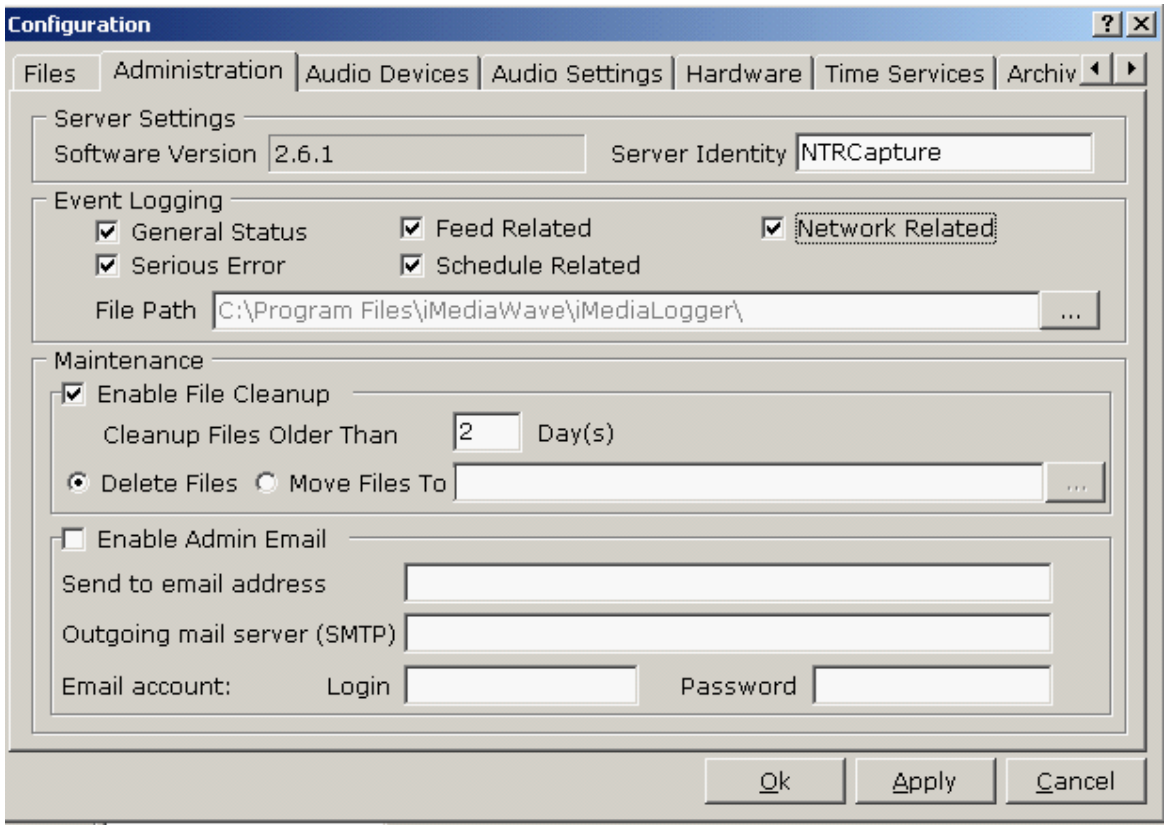
Under "Feeds" from the main Logger display, select the feed you wish to apply closure and configure under "Input Closures" and select the SRC 32 device from the drop down list of closure devices available.

Verify you are receiving all closures through the "Event Log" tab form the Logger main display. From the top left corner of the main Logger display, select "Tools' then "Configure" and enable all events Logging from the "Administration" tab.

© 2010 OMT Technologies

Special Notes:

Be sure to select "COM 1" on the SRC 32 under the Hardware device selection on versions 2.6.1 and older. Version 2.6.7 and later of Logger have support for multiple COM ports.



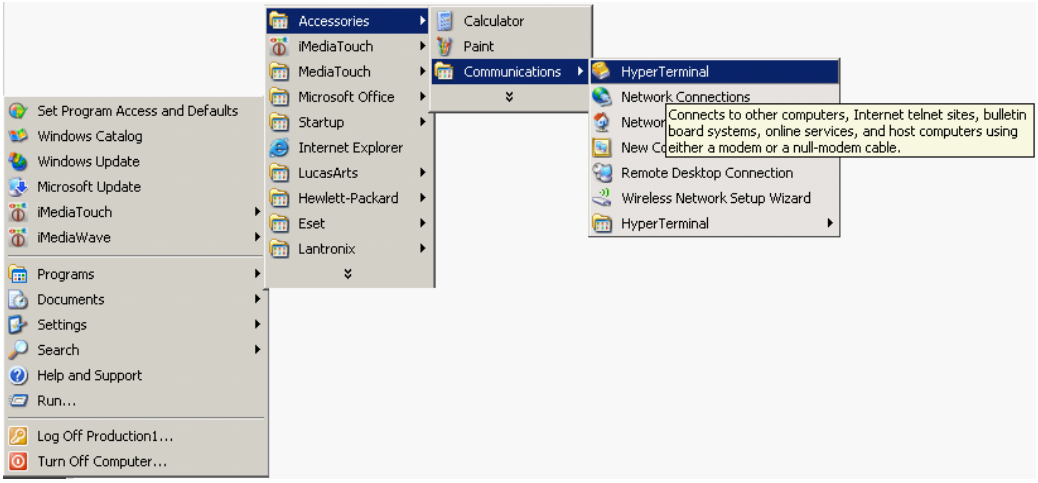
When finished, click Apply and OK. Remember to restart the Logger application so the changes will take effect.

HYPERTERMINAL

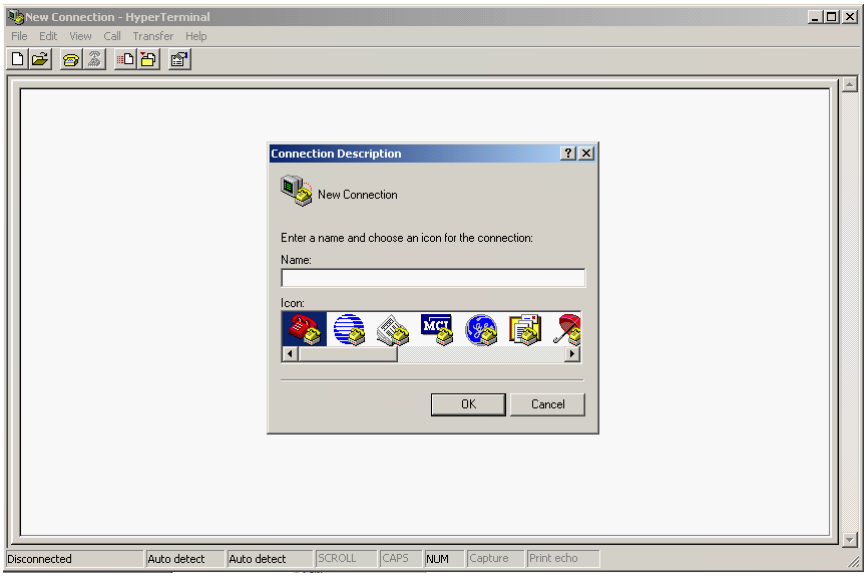
If you are unsure if your Broadcast Tools GPI 32 device is communicating over the specified port, Hyper Terminal is a simple way to show the communication on a specific COM port.

To use Hyper Terminal, go to the Start button and select Program then Accessories, Communications, then Hyper Terminal.

© 2010 OMT Technologies



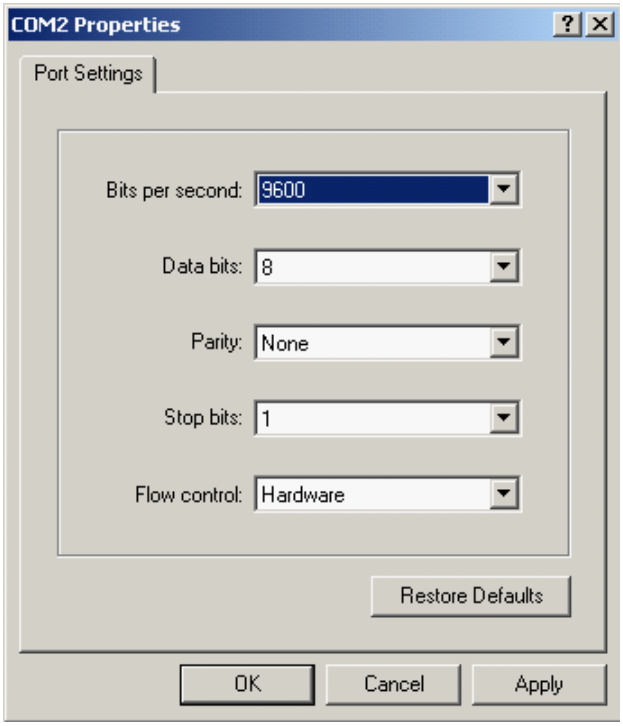
The following screen upon starting Hyper Terminal may ask you to make this the default Telnet program and ask for the Telephone Area code in your area. Once completed, you should see this screen.



Give an appropriate name for the connection such as TEST and click OK. Select the COM port you have the GPI 32 device connected to and click OK.

© 2010 OMT Technologies

Be sure to set the COM port to 9600 from the default of 2400 then click Apply and OK.

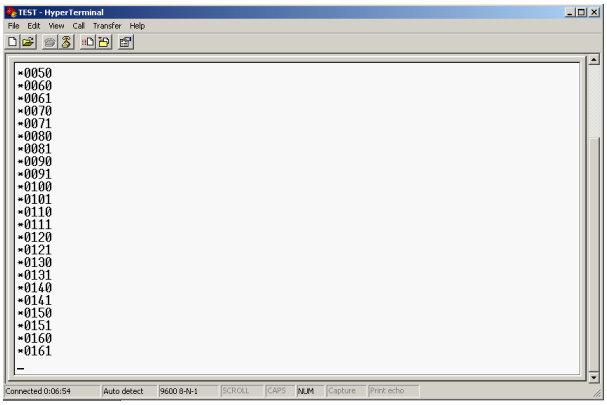


Force a closure at input 1 through 16 on the first block (J5) and 17 through 32 on the second block (J6) starting with the first connector position on the GPI 32. There are two common connections on each block and they are the two connections farthest to the right hand side of the plug looking from the back of the unit. They are generally green in color and will have a "lug" type set screw. There are two DB

© 2010 OMT Technologies

37 connectors on the back also and you may install a straight through StarGuide II/III to GPI 32 cable for convenience. Either connection will produce the same results.

The screen shot below shows the ASCII text on the Hyper Terminal screen for the first 16 closures that were manually forced. If you are not seeing any text on the screen, verify that the GPI 32 DIP switch settings have position 5 and 6 in the up or on position and the rest of the switches down or in the off position. Also verify your settings including COM port are correct in Hyper Terminal.



If you can see populating the field then you have verified the COM is working correctly. If the closures are not being recognized with a functional COM port, then verify your configuration settings are set properly in ONAIR or Logger.

To Recap:

Install the Virtual Serial Driver required for the supplied USB cable.
Select the COM port you have configured for the VCP (Virtual COM Port).
Configure the closure device in either ONAIR or Logger as the SRC 32.
The GPI 32 uses the same "PIP" codes as used with the SRC 32.

We hope you find this guide useful. If you have any questions or comments about this guide you can contact OMT support at 1-800-726-2635 or Sales at 1-888-665-0501.

© 2010 OMT Technologies

For Media Touch system support:

OMT Support

1-800-726-2635

support@imediatouch.com

To report a bug or place a feature request:

QA and Product Management

rlandry@imediatouch.com

To purchase Media Touch Software:

Jackie Tetlock

Sales Manager

Jtetlock@imediatouch.com

To purchase Media Touch Support:

Brenda Barteaux

Support Administrator

supportadmin@imediatouch.com

© 2010 OMT Technologies

1.11.3 Broadcast Tools SS4.2/SS8.2 Switcher

“HOW TO” SERIES

iMediaLogger

HOW TO SETUP VERSION 2.6.X, 3.X, and 4.X LOGGER WITH A BROADCAST TOOLS SS4.2 OR SS8.2 AUDIO SWITCHER

Revised February 2010

© 2010 OMT Technologies

OVERVIEW

This "HOW TO" guide will demonstrate basic configuration for a Broadcast Tools SS4.2/8.2 audio switcher for use with the iMedia Logger software.
Some of the commonly used functions for a Logger/BTools pairing are:

- Pre-Recorded Satellite Events
- Best of Shows
- Mic skimming
- Audio Routing

For a detailed manual on the iMediaLogger software, please refer to our website at www.imediatouch.com/help and download the Version 4 user guide for Logger.

Hardware Setup

Use the supplied S-9 adapter and serial cable provided by BTools to connect the 9 pin COM port of your Logger PC to the RJ port on the back of the BTools switcher.
Prior to "powering up" your BTools SS4.2 or SS8.2 switcher, you will need to setup the dip switches for proper operation with the Logger software.
There is an 8 switch array on the SS4.2 which is accessible from the back of the unit.
The SS8.2 has a "lid" which contains 4 #2 Phillip screws which must be removed to access the 10 switch array.
The dipswitch settings on both the SS4.2 and the SS8.2 will be configured to allow the BTools switcher to receive serial burst commands known as PIP mode or pulse in packet.
Both switchers will also be configured in "Interlock" mode which will prevent any other audio to be "mixed" in with a specific source selected. COM port values can be user selected on the BTools from 9600 (default) to 38400.

NOTE:
If you change the default value of 9600 to a higher value, make sure you have set the dip switches on your BTools unit to match the baud rate. This must be performed on the BTools switcher when the power is removed. Change the rate in Windows through the Device Manager under COM ports for the same corresponding port and value. Reboot the computer after you have made any COM port changes in Windows so they will take effect and then power up the BTools prior to re-launching the Logger software.

© 2010 OMT Technologies

SS4.2 dipswitch settings:

DIP (SW-13) "PGM" Switch Functions

Switch Number	Default Setting	Function
1	OFF	Add 1 to Address (Default ID = 0)
2	OFF	Add 2 to Address
3	OFF	Baud rate (Default = 9600)
4	OFF	Baud rate
5	OFF	Stereo Audio Switching (Default = Overlap)
6	OFF	Stereo Audio Switching
7	OFF	Remote Control (Default) / PIP/GPI
8	OFF	Power up modes (Default = Last Source Selected)

On Logger, set the switches on the SS4.2 as follows:

1 OFF

2 OFF

3 OFF

4 OFF

5 OFF

6 ON

7 ON

8 ON

Address (ID) DIP Switches

SW13-1	*SW13-2*	*Mode*
OFF	OFF	ID = 0
ON	OFF	ID = 1
OFF	ON	ID = 2
ON	ON	ID = 3

Baud Rate DIP Switches

SW13-3	*SW13-4*	*Mode*
OFF	OFF	9600
ON	OFF	2400
OFF	ON	19200
ON	ON	38400

© 2010 OMT Technologies

Audio Switch Mode DIP Switches

SW13-5	SW13-6	Mode
OFF	OFF	Overlap
ON	OFF	Interlock
OFF	ON	Interlock
ON	ON	Mix

Remote Mode DIP Switches

SW13-7	Function
OFF	Remote Control
ON	PIP enabled

Power-up Mode DIP Switches

SW13-8	Function
ON	Last Source Selected
OFF	Program via front panel

Closure wiring on the SS4.2

K 1 Com.	K I N.O.	K 2 Com	K 2 N.O.	K 3 Com	K 3 N.O.	K 4 Com	K 4 N.O.	OC1	OC2	OC3	OC4	Gnd	SS1	SS1	SS2	SS2	Gnd	Top Row
PIP1	PIP2	PIP3	PIP4	PIP5	PIP6	PIP7	PIP8	PIP9	PIP10	PIP11	PIP12	PIP13	PIP14	PIP15	PIP16	Gnd	Gnd	SW13-7 ON Bottom Row
In 1 to 1	In2 to 1	In 3 to 1	In 4 to 1	In 1 to 2	In2 to 2	In 3 to 2	In 4 to 2	Mute	"Pgm"	N/A	N/A	N/A	N/A	N/A	N/A	Gnd	Gnd	SW13-7 OFF Bottom Row

Since switch position 7 is "ON", the row showing the PIP1, PIP2, etc is the correct reference and is the large, lower connector on the back of the SS4.2. PIP1 represents 1, PIP 2 represents 2, etc. in the drop down closure assignment in Logger.

© 2010 OMT Technologies

SS8.2 dipswitch settings:

You must remove the four #2 Phillips screws from the top of the BTools SS8.2 lid to access the dipswitch and change settings. Make sure the power is off before changing dipswitch settings.

DIP (SW-14) Switch Functions

Switch Number	Default Setting	Function
1	OFF	Add 1 to Address (base address is 0)
2	OFF	Add 2 to Address (base address is 0)
3	OFF	Add 4 to Address (base address is 0)
4	OFF	Mode bit 0 (see Stereo Audio Switching)
5	OFF	Mode bit 1 (see Stereo Audio Switching)
6	OFF	Output Port Control (see Output Port Control)
7	N/A	N/A
8	OFF	(ON) "PIP" Pulse Stretcher is Disabled (see Programmable Pulse Stretcher)
9	OFF	Front Panel Mode (see Front Panel Switches)
10	OFF	Use Digital Inputs as Remote Front Panel Switches (see digital Inputs)

On Logger, set the dip switch setting on the SS8.2 as follows:

1 OFF

2 OFF

3 OFF

4 OFF

5 ON

6 ON

7 OFF

8 OFF

9 OFF

10 ON

Audio Switch Mode DIP Switches

SW14-4	*SW14-5*	*Mode*
Off	Off	Overlap
Off	On	Interlock
On	Off	Interlock
On	On	Mix

© 2010 OMT Technologies

J-6, ("PIP") Connector Digital Inputs: (Left connector as viewed from the rear).

J-17 "Relay/OC" Output Connector Pin Out (Right connector as viewed from the rear).

J-6 pin out	Dip Switch SW14-10 - ON Function Name	Pin Number:	Descriptic
13	PIP 1	1	K1, N.O.
25	PIP 2	14	K1, COM
12	PIP 3	2	K2, N.O.
24	PIP 4	15	K2, COM
11	PIP 5	3	K3, N.O.
23	PIP 6	16	K3, COM
10	PIP 7	4	K4, N.O.
22	PIP 8	17	K4, COM
9	PIP 9	5	K5, N.O.
21	PIP 10	18	K5, COM
8	PIP 11	6	K6, N.O.
20	PIP 12	19	K6, Com
7	PIP 13	7	K7, N.O.
19	PIP 14	20	K7, COM
6	PIP 15	8	K8, N.O.
18	PIP 16	21	K8, COM

PIP 1 represents 1, PIP 2 represents 2, etc. J-6 is the DB 25 connector towards the center on the back of the BTools SS8.2 and the J-7 connector is the DB 25 connector closer to the right hand side on the back of the BTools SS8.2

© 2010 OMT Technologies

Logger Software Configuration

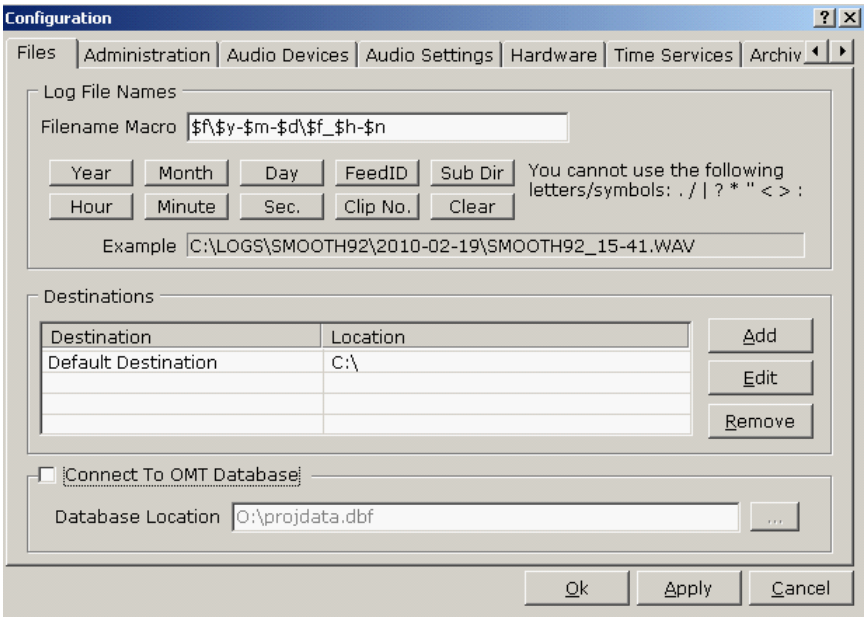
The main screen of your Logger software will appear similar to the example below.

iMediaLogger
File Tools
Layla3G 3-4 Analog In Left Channel
Status Feeds Schedule Histogram Event Log Inventory
Devices
Device [1] - Layla3G 3-4 Analog In Left Channel
Status Description

To configure your iMediaLogger software for use with a BTools Audio switcher, go to the "Tools" drop down at the top left corner of the main screen.

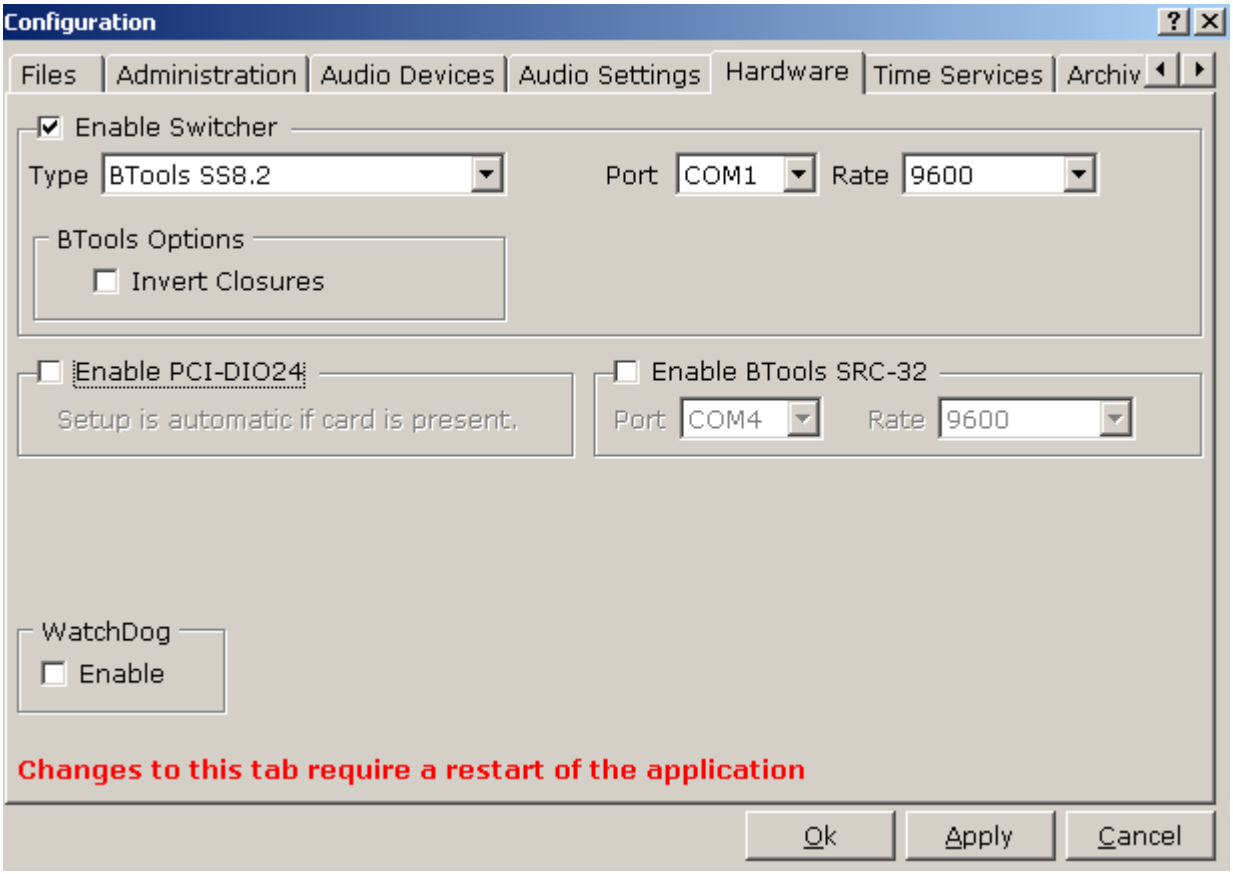
The following configuration screen should appear with the "Files" tab information being displayed by default.

The "Default Destination" is the location that the local audio file recordings will be sent or "stored". If your Logger is part of an OMT automation system, you can enable the "Connect to OMT Database" to allow for pre-recorded Satellite shows and direct to database recordings.



© 2010 OMT Technologies

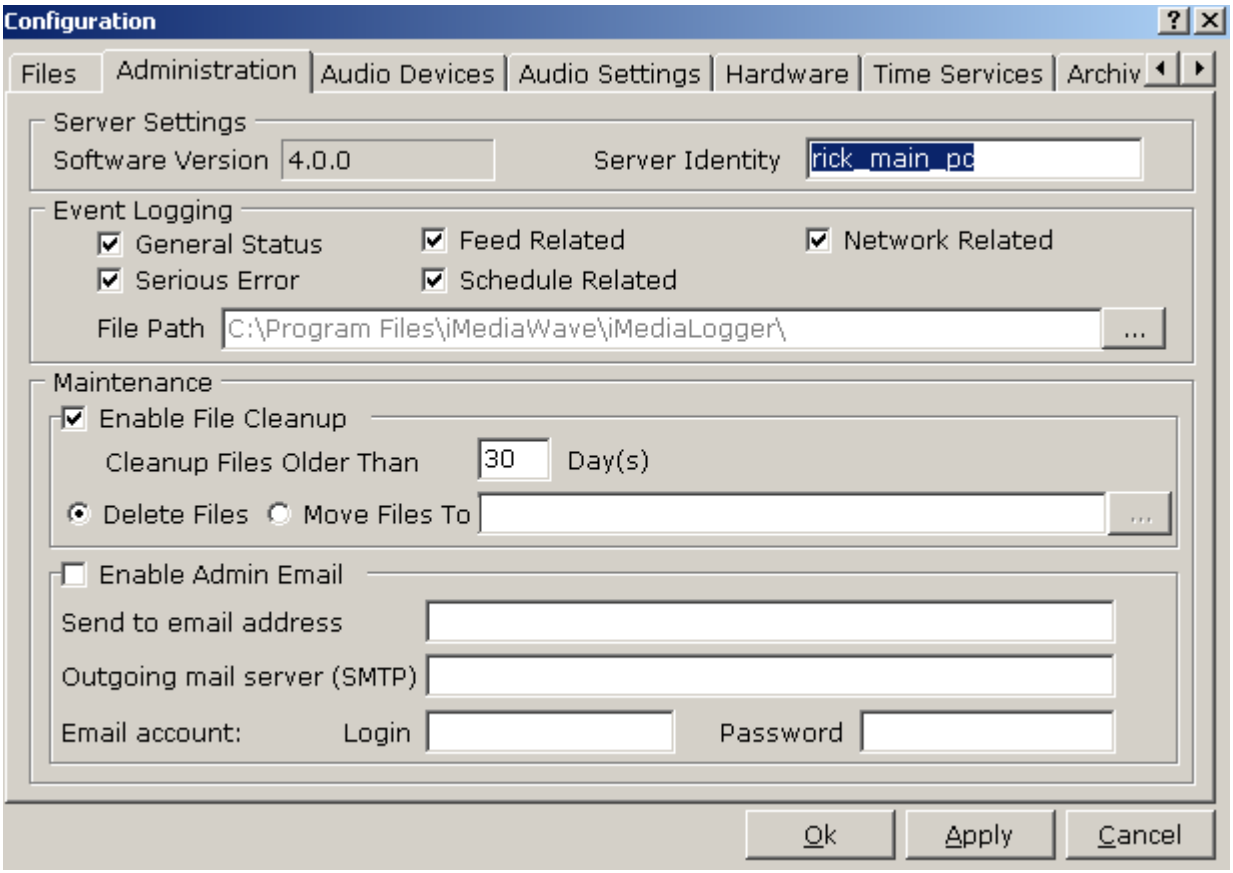
NOTE:
The "Split" function from the Feeds section of Logger requires an OMT database. This feature cannot be used with a stand-alone Logger. It must be used with an OMT automation system/database.
Select the "Hardware" tab along the top of the configuration screen to select and configure your BTools SS4.2/8.2 Audio Switcher.



Click on the enable box for "Enable Switcher" and select "BTools SS8.2" if you are configuring either a SS4.2 or a SS8.2 switcher. Select the available COM port under the "Port" settings. The default rate is 9600. You can select up to 38400 from the drop down list.

Important:
If you change the baud rate, the same rate MUST be applied to Windows, the Logger software and the BTools audio switcher to work correctly.

© 2010 OMT Technologies



Click on the "Administration" tab after you have configured your BTools switcher under the "Hardware" tab. Make sure all event logging is enabled as this will script all closure and audio routing to the event log.

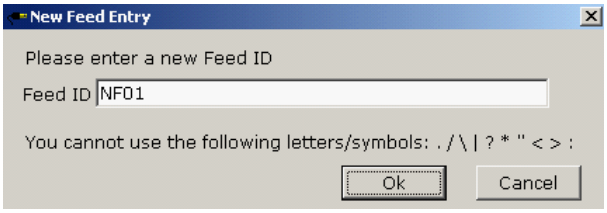
This is the event log after saving the configuration changes and restarting Logger. Note that the BTools switcher is now recognized on COM port 2 at 9600 baud.

```
10/02/19 - 14:35:46 - [STATUS]CreateLineInAudioStream on device 15, stream 31
10/02/19 - 14:35:46 - [STATUS]Boot: Enumerating formats
10/02/19 - 14:35:46 - [STATUS]Boot: Initializing closures and tallys
10/02/19 - 14:35:46 - [STATUS]Boot: DIO24 Initialize
10/02/19 - 14:35:46 - [STATUS]Boot: Initializing Auto File Trim
10/02/19 - 14:35:46 - [STATUS]Boot: Creating Time Servers
10/02/19 - 14:35:46 - [STATUS]Boot: Intializing network services... HTTP (Port 80)
10/02/19 - 14:35:46 - [STATUS]Boot: Rebuilding HTML
10/02/19 - 14:35:46 - [STATUS]Boot: Initializing Switchers
10/02/19 - 14:35:47 - [STATUS]Switcher: Enabled Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud
10/02/19 - 14:35:47 - [STATUS]InventoryManager::Purging Files Thread started
```

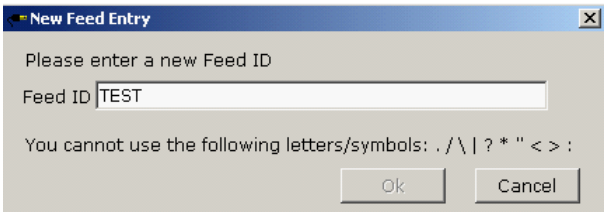
© 2010 OMT Technologies

MIC Skimming in Logger

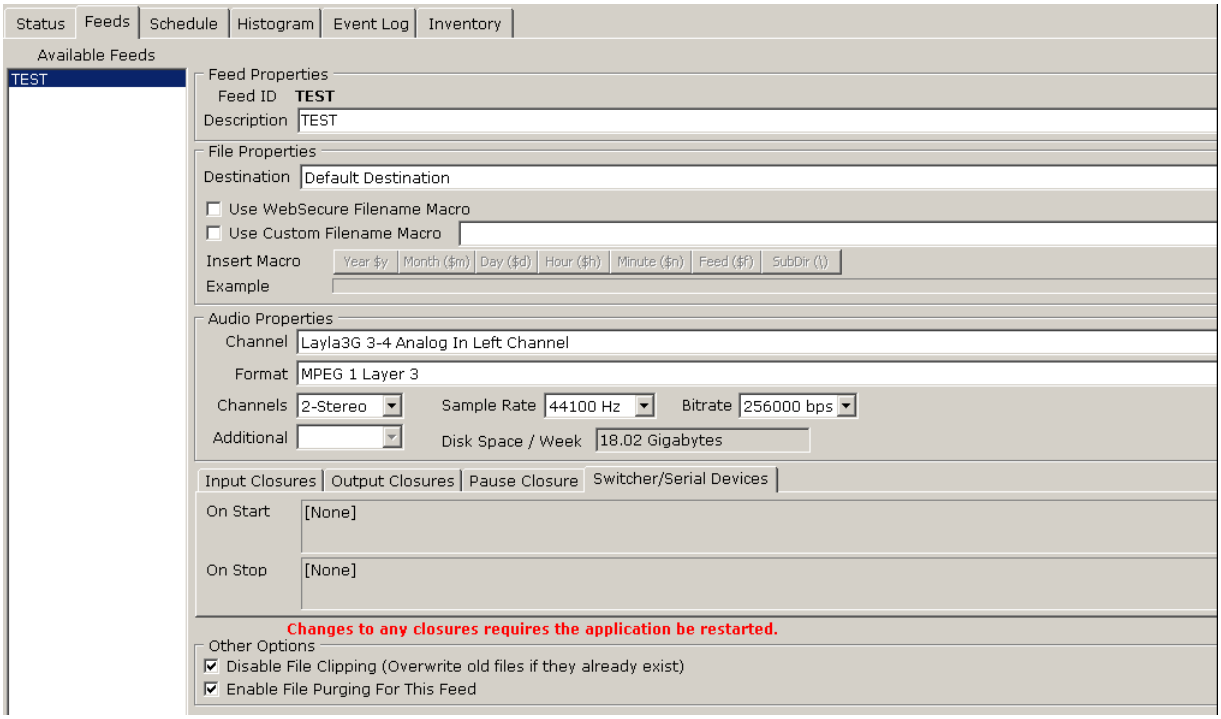
Now we are ready to create a Feed item under the "Feeds" tab in Logger. Click on "Add" at the bottom right corner of the Feeds page and you will see the following screen appear.



Give your new feed item a name and click "OK"



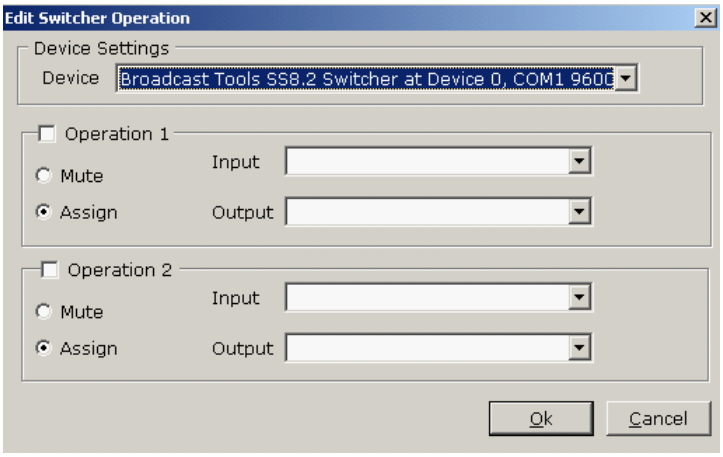
The "TEST" feed has been setup to record to the "Default Destination" as previously discussed and the audio format is set to MP3, stereo, at a sample rate of 256,000.



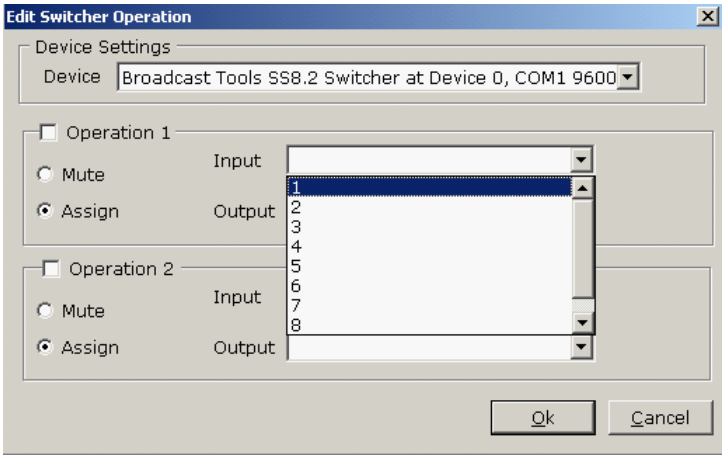
© 2010 OMT Technologies

The "TEST" feed will be scheduled under the "Logging" window of the Schedule tab as it will be a mic skim for anytime the mic is "live". This example assumes that the audio source would be the "audition out" from the console. This provides for flexibility in what is recorded into the BTools switcher since the announcer can enable any audition channel to be sent to a specific input of the BTools switcher and control of the recording is accomplished through the start/on button for the mic fader. The announcer can take the mic fader off of PGM and AUD on their console and use the start/on button to record any source that has AUD enabled on the console.

To begin, select the "Switcher/Serial Devices" from the Feeds page and click on the "Edit" button under "On Start". The following Window should appear.

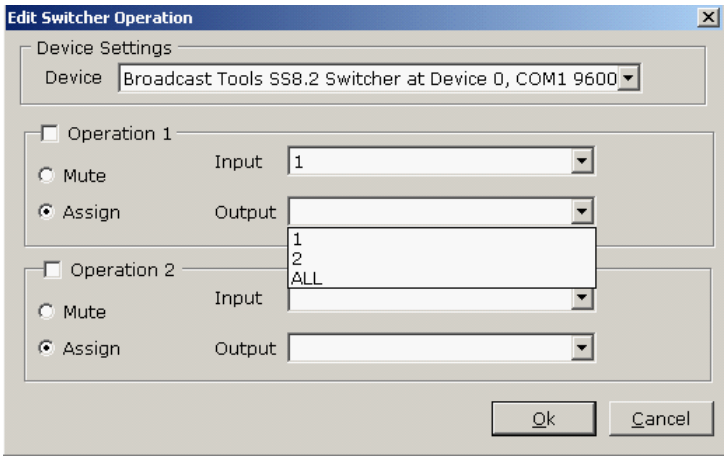


Under "Device Settings", select "Broadcast Tools SS8.2" from the drop down list.
Next, enable "Operation 1" under "Assign" and select the appropriate input of the BTools switcher input channel. If you are using a SS4.2 there will only be four inputs and use only input 1 through 4. The SS8.2 has 8 inputs and that is why the drop down shows 8 available input channels.
The "Operation 2" field allows for a second function on start or stop.

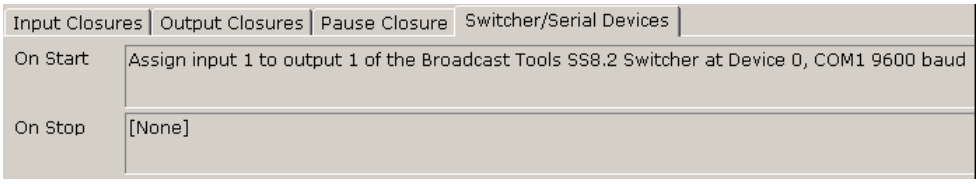


© 2010 OMT Technologies

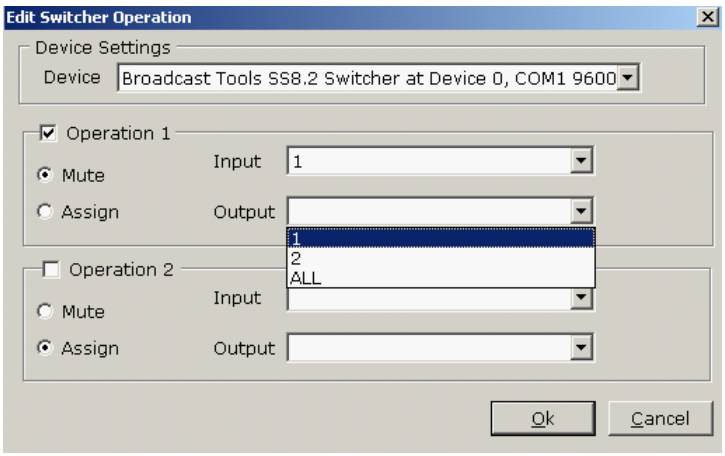
Now select the appropriate output of the BTools Audio switcher that is input into the sound card of your Logger recording device. Output 1 of the BTools is wired into the single channel sound card input for this example. You can choose between 1, 2, or all (both).



Click "OK" when complete and you should see the configuration you have just set show up in the "On Start" window.

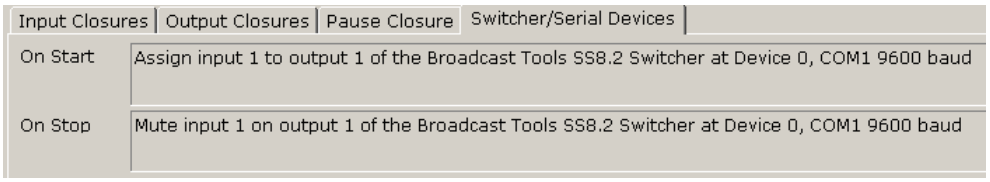


Next, we will configure the "On Stop" section by selecting the "Edit" button on the same row. This time we will select "Mute" instead of "Assign" as we want the channel to remain silent or inactive when not in use.

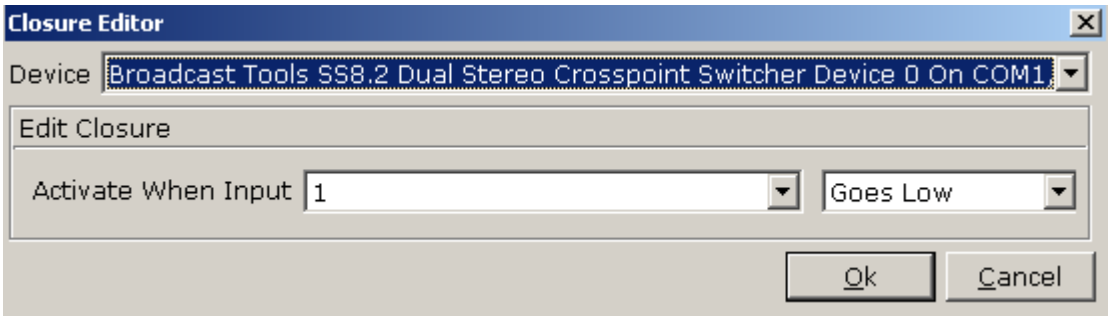


© 2010 OMT Technologies

Click "OK" when finished and you should be able to see your configuration for both "On Start" and "On Stop" as the screen shot below.

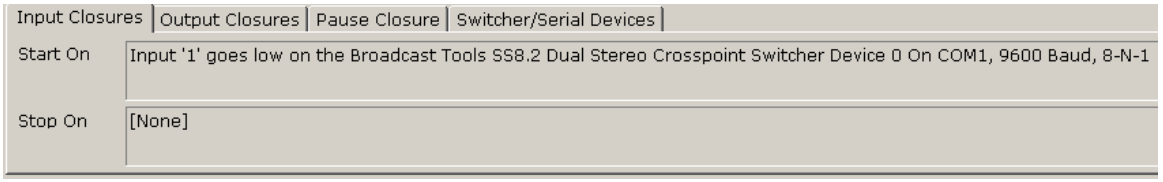

Input Closures
Output Closures
Pause Closure
Switcher/Serial Devices
On Start
Assign input 1 to output 1 of the Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud
On Stop
Mute input 1 on output 1 of the Broadcast Tools SS8.2 Switcher at Device 0, COM1 9600 baud

We have successfully assigned audio routing. Now we can assign closures to the BTools switcher. Select the "Input Closures" tab from the main Feeds page. You can also assign Output closures in the event you need to trigger an external device. Select the "Broadcast Tools SS8.2" from the available list under Input Closures.



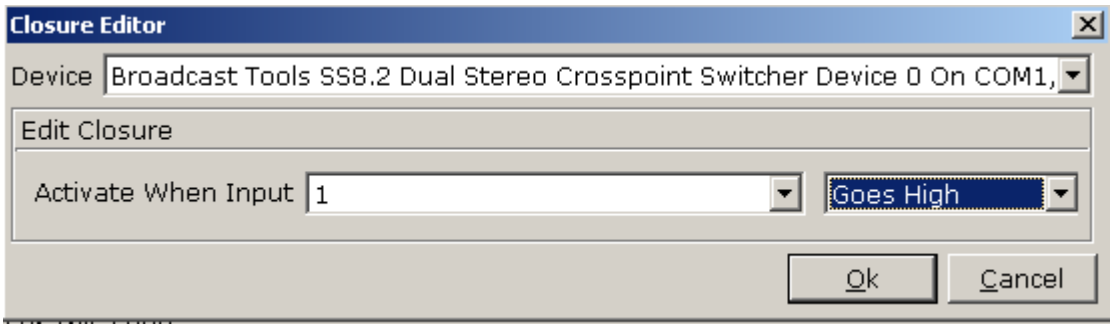
In the screen shot above, I have select Input 1 when the closure goes "low". Input 1 would represent PIP 1 on the wiring pin outs for both SS4.2 and SS8.2. PIP 2 represents 2, PIP 3 represents 3, etc.

Click "OK" when complete and you should see the configuration displayed in the "On Start" field.

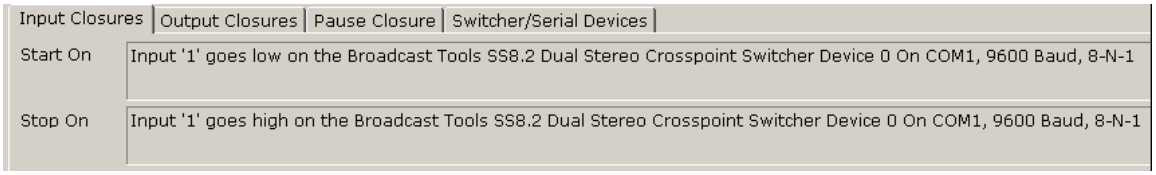

Input Closures
Output Closures
Pause Closure
Switcher/Serial Devices
Start On
Input '1' goes low on the Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1, 9600 Baud, 8-N-1
Stop On
[None]

© 2010 OMT Technologies

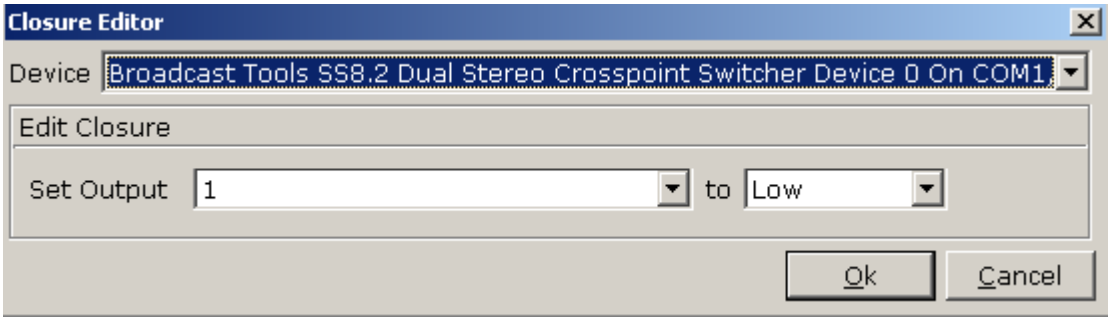
Select the "Edit" button from the "On Stop" field and configure to "Goes High" on the same closure input. If you require two separate closures based on your console setup, select another input closure for the "On Stop" value. Most consoles can be configured to use one input closure for a Low/High change of state or condition.



Click "OK" when complete and you should see the following information displayed.

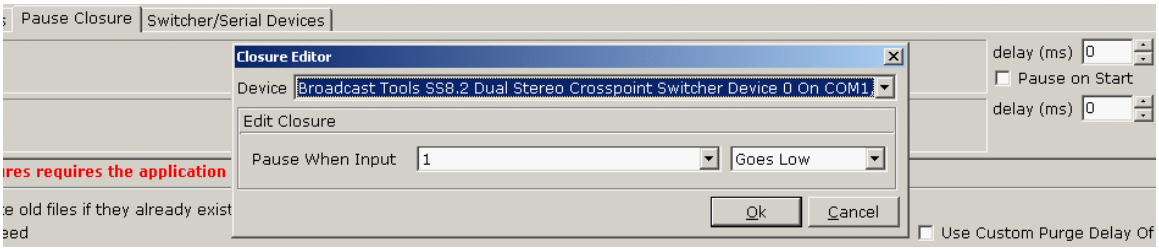

Input Closures
Output Closures
Pause Closure
Switcher/Serial Devices
Start On
Input '1' goes low on the Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1, 9600 Baud, 8-N-1
Stop On
Input '1' goes high on the Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1, 9600 Baud, 8-N-1

To assign Output Closures, select the "Output Closures" tab and choose the appropriate value based on your wiring.

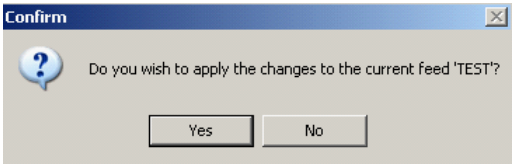


© 2010 OMT Technologies

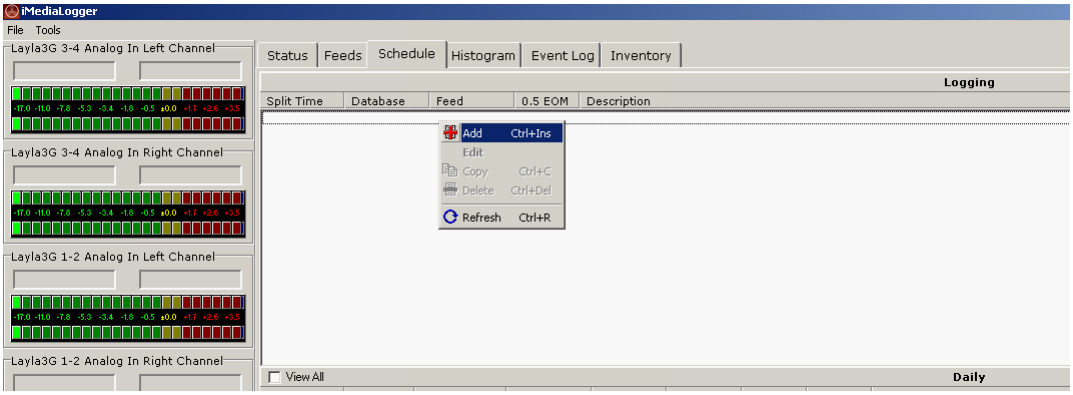
If you are planning to record "Best Of" shows or want the audio only without long periods of silence on traditional background recordings or mic skimming, use the "Pause" closure. The Pause closure feature acts exactly as the "Old School" cassette recorder for monitoring or validating announcers when on shift. It will only record audio when the closure is active and remain in "pause" when the closure is inactive or off.



If you forget to "save" any configuration from the Feeds page, a reminder window appears.

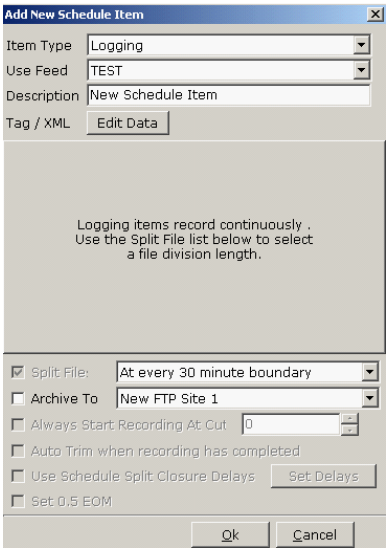


Now we are ready to schedule our newly created "TEST" feed. Select the "Schedule" tab from the main Logger window. Right click anywhere in the "Logging" window and select "Add".

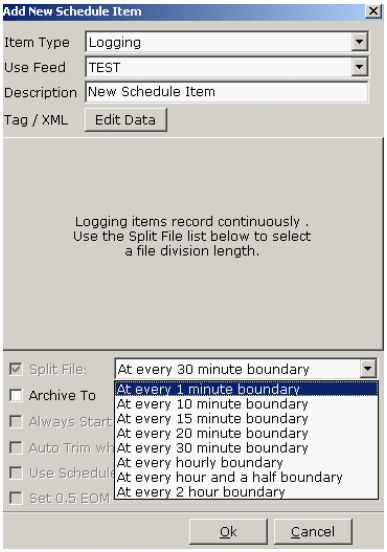


© 2010 OMT Technologies

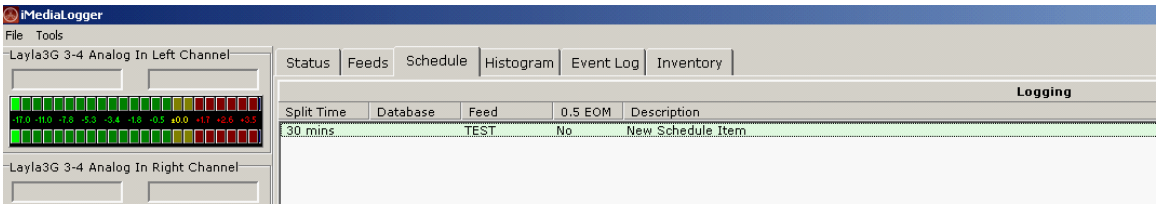
You should see the following window and feed since we only have one feed created.



By default the recording "split" time is 30 minutes. This value can be set from one minute to two hours from the drop down menu.



Click "OK" when complete and you should see the following entry under "Logging".



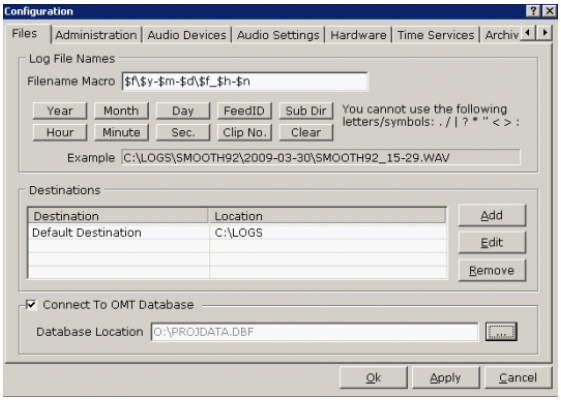
The "TEST" feed will now record anytime the closure assigned to Input 1 is active and stop anytime the closure is inactive on Input 1.

© 2010 OMT Technologies

OMT Database Recordings

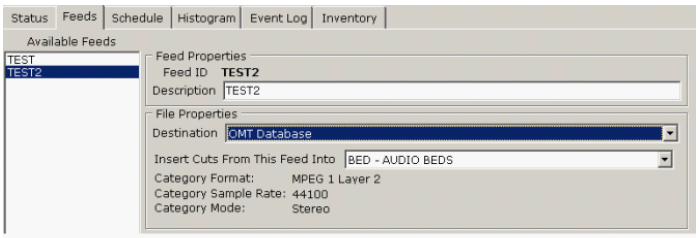
You can configure Logger to record directly to the OMT database if you have a Media Touch automation system (ONAIR software and audio assets and database). Prior to configuring your logger software, you must map an "O" drive on the Logger computer to the root of your server or ONAIR computer's "O" drive. Verify that your Logger computer contains all appropriate user accounts (MTS, OPLOG, Logger, etc.) with Administrator level rights and you have full access to the "O" drive located on your server or ONAIR computer.

Once you have a valid "O" drive, launch Logger select "Tools" and "Configure" from the main Logger window. The default tab displayed will be "Files".



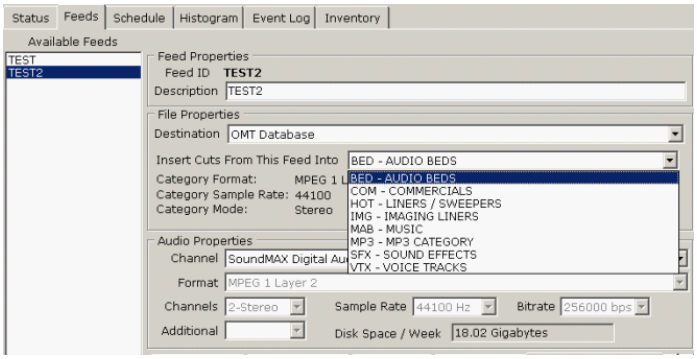
At the bottom of the "Files" window, enable the "Connect To OMT Database" and use the browse box to the right of the file path to navigate through Windows Explorer to the "O" drive. Double click on the Projdata.dbf file as this will place the location directly in the file path. Click "Apply" then "OK" when finished.

We will need to create a new feed to access the OMT Database. I have called the new feed "TEST2" in the example below.

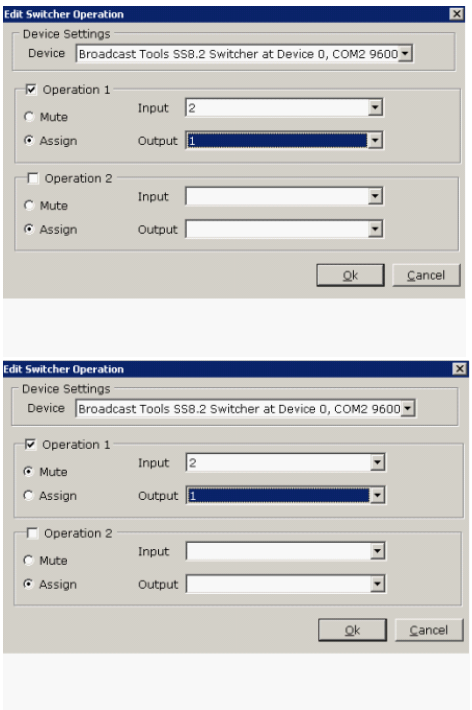


© 2010 OMT Technologies

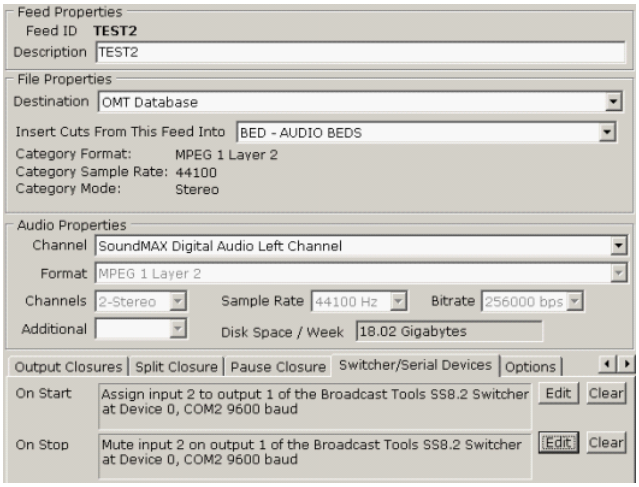
You should also be able to select any of the available categories that you have created through Media Touch Production. I have selected the "BED" category for this example.



I have also assigned audio routing to Input 2 and Input closure 2 under the same procedure as the original "TEST" feed creation.

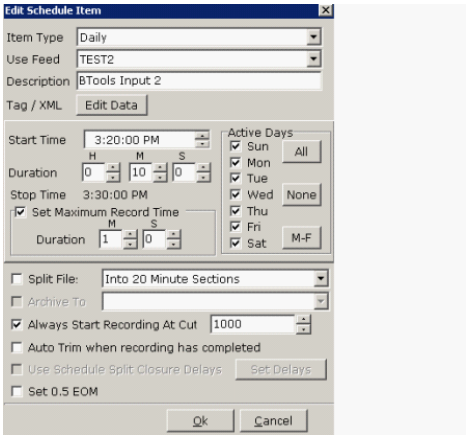


© 2010 OMT Technologies



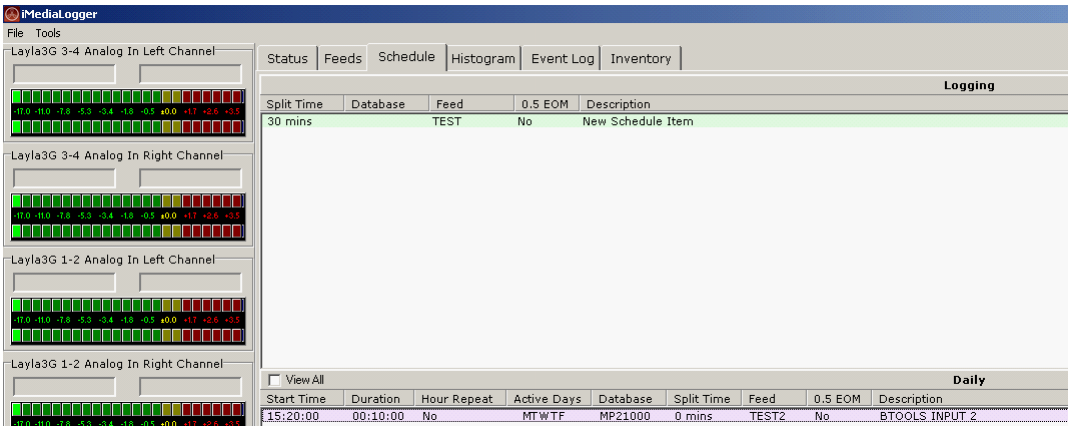
Since I am recording directly to the OMT Database, I will be using a "Daily" schedule. To create a daily schedule, select the "Schedule" tab from the main Logger window. Right click in the open daily window and select "Edit". You should see the following edit screen and now be able to select between the two feeds we have just created.
NOTE: The audio format is based on the category that was originally created with Media Touch Production. You can only set the Audio Properties when you are recording to the Default Destination.

I have selected the "TEST2" feed that I have previously created. I am going to record a National commercial only that starts on a "floating" closure. I have allowed for a 10 minute window where the closure could potentially come in and I have set the duration or length of the recording to one minute. I have also assigned a specific cut number of 1000 so every time this item records, it will overwrite the previous recording.



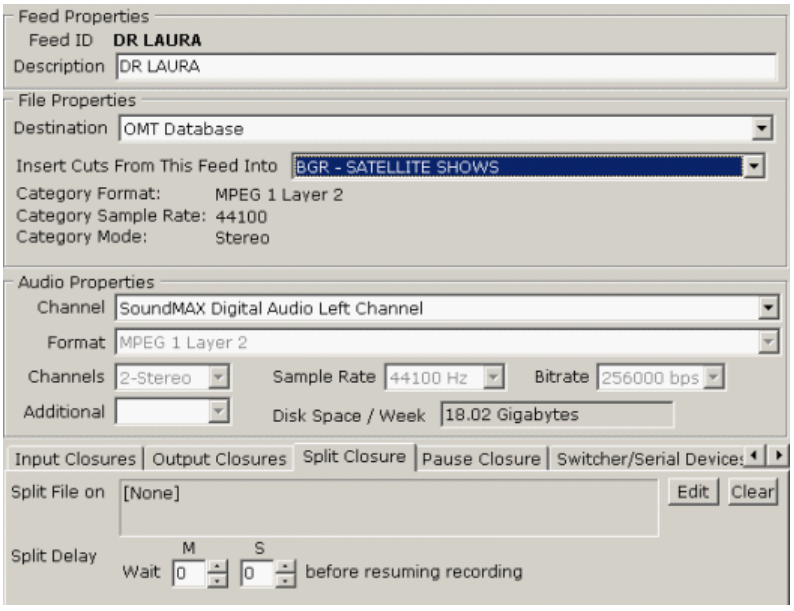
© 2010 OMT Technologies

Click "OK" when complete and you should see the daily entry as per below.

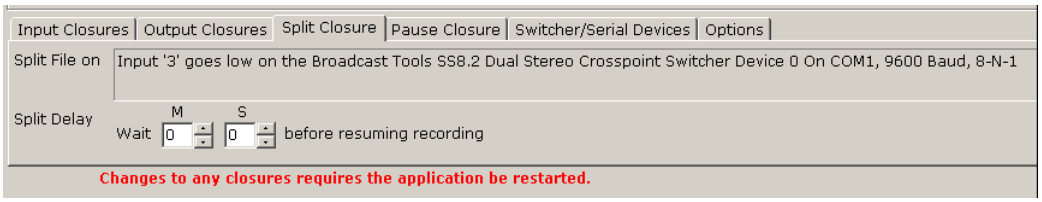

iMediaLogger
File Tools
Layla3G 3-4 Analog In Left Channel
Layla3G 3-4 Analog In Right Channel
Layla3G 1-2 Analog In Left Channel
Layla3G 1-2 Analog In Right Channel
Status Feeds Schedule Histogram Event Log Inventory
Logging
Split Time Database Feed 0.5 EOM Description
30 mins TEST No New Schedule Item
View All
Daily
Start Time Duration Hour Repeat Active Days Database Split Time Feed 0.5 EOM Description
15:20:00 00:10:00 No MTWTF MP21000 0 mins TEST2 No BTOOLS INPUT 2

Pre-Recorded Satellite Events

I have created a new category in Media Touch Production called BGR. I will create a new feed called DR LAURA as I wish to record her show into my newly created category. This will allow me to automate the Logger recording and my ONAIR log play out schedule.

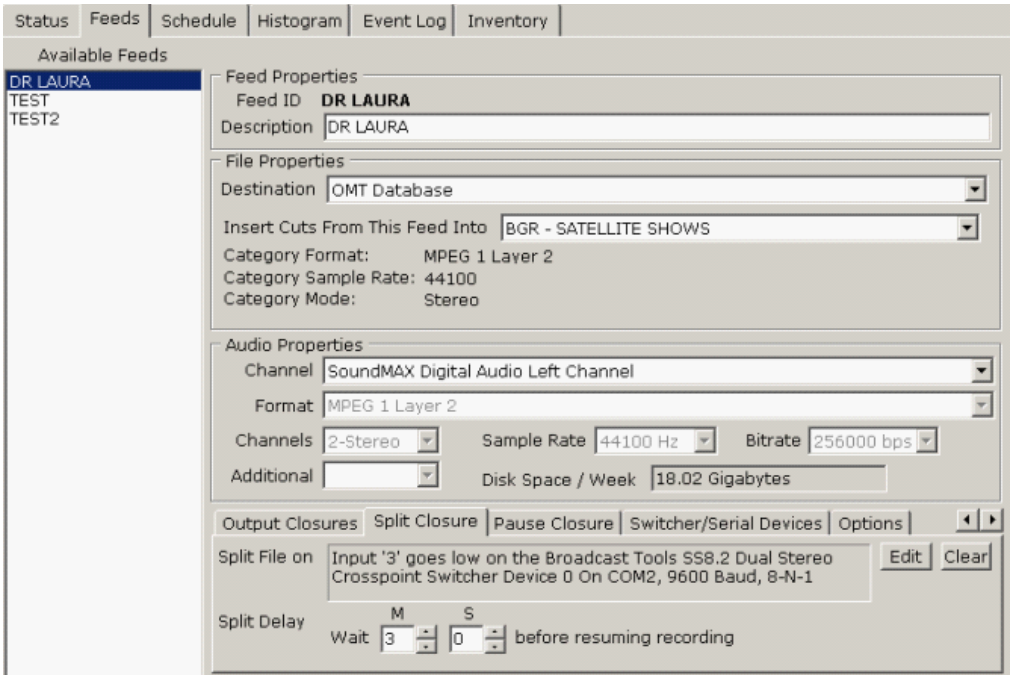

Feed Properties
Feed ID DR LAURA
Description DR LAURA
File Properties
Destination OMT Database
Insert Cuts From This Feed Into BGR - SATELLITE SHOWS
Category Format: MPEG 1 Layer 2
Category Sample Rate: 44100
Category Mode: Stereo
Audio Properties
Channel SoundMAX Digital Audio Left Channel
Format MPEG 1 Layer 2
Channels 2-Stereo
Sample Rate 44100 Hz
Bitrate 256000 bps
Additional
Disk Space / Week 18.02 Gigabytes
Input Closures Output Closures Split Closure Pause Closure Switcher/Serial Device:
Split File on [None]
Edit Clear
Split Delay
M S
Wait 0 0 before resuming recording

I must select the "Split Closure" tab from the Feeds window then select the corresponding "Edit" button. In this example I have selected Input closure 3 of the SS4.2 switcher.


Input Closures Output Closures Split Closure Pause Closure Switcher/Serial Devices Options
Split File on Input '3' goes low on the Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1, 9600 Baud, 8-N-1
Split Delay
M S
Wait 0 0 before resuming recording
Changes to any closures requires the application be restarted.

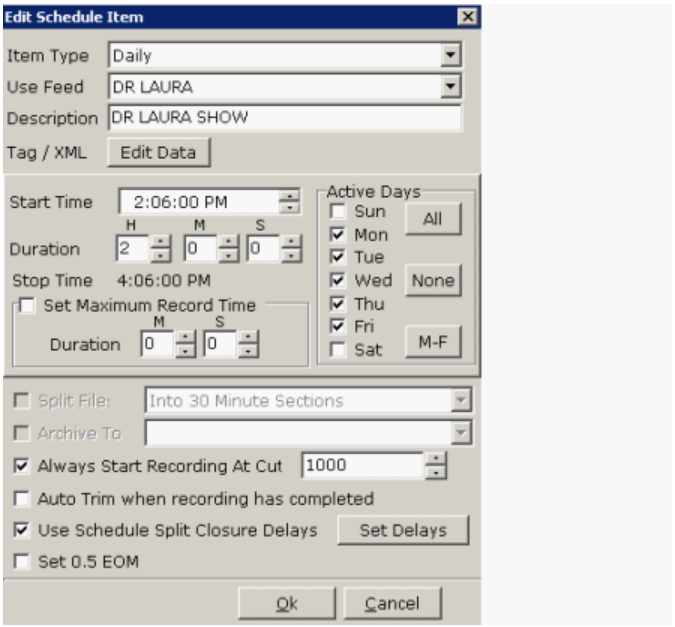
© 2010 OMT Technologies

Click "OK" and you will see Split file information in the edit window. I have placed a value of 3 minutes under the split delay time. Every time a closure occurs on Input closure 3, the recording will stop, wait 3 minutes, then start recording another segment while incrementing the cut number by one.

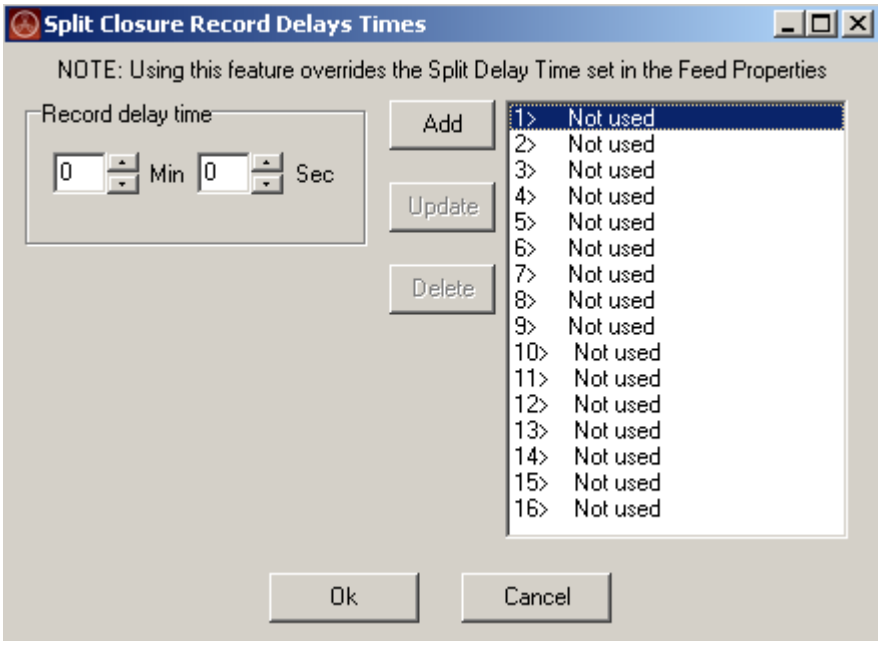


Select the Schedule tab from the main Logger window and right click in the Daily window to create the appropriate recording time and associated information. In the following Dr. Laura example, I have set the start time at 2:06 PM as it would be a fixed time start, the duration of the show is two hours. I have also placed a cut number of 1000 under the "Always Start Recording At Cut" field. This is important as every time a segment records, the following segment will be incremented by one
E.G.
Segment 1 BGR ZM1000
Segment 2 BGR ZM1001
Segment 3 BGR ZM1002
Etc.

© 2010 OMT Technologies



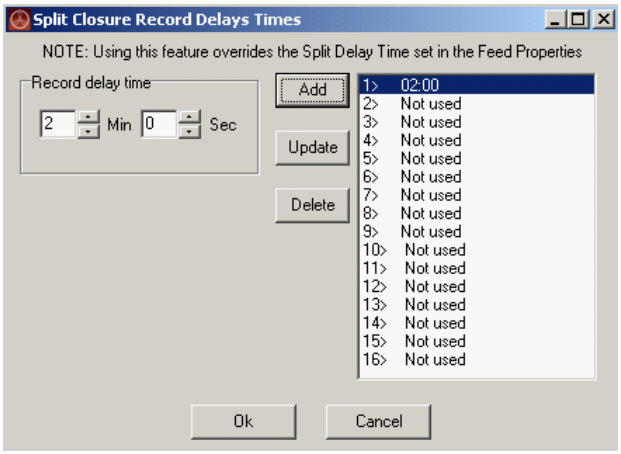
I have enabled the "Use Schedule Split Closure Delays" as there are several different length local breaks that I must take into consideration and schedule. To access the "Split Closure Record Delay Times", click on the "Set Delays" button.



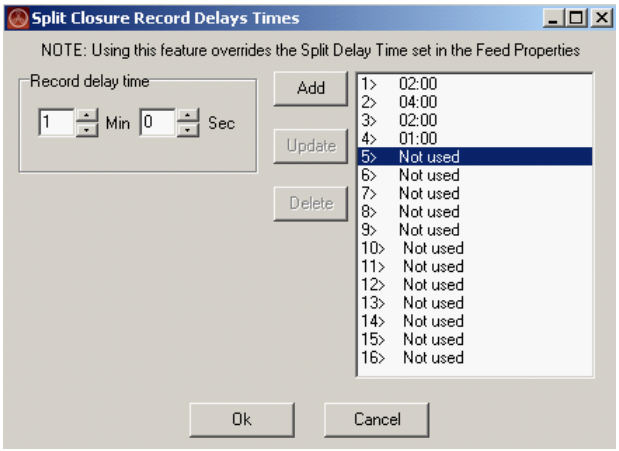
Follow your scheduling clock from your show provider and/or use the log template for the number and length of each required local commercial break. Place this value into the corresponding field in the Delay Time schedule. In the above example, the Dr. Laura show will be two hours and I have four breaks per hour. Hour one and two are the same so the four breaks repeat twice in sequence.

© 2010 OMT Technologies

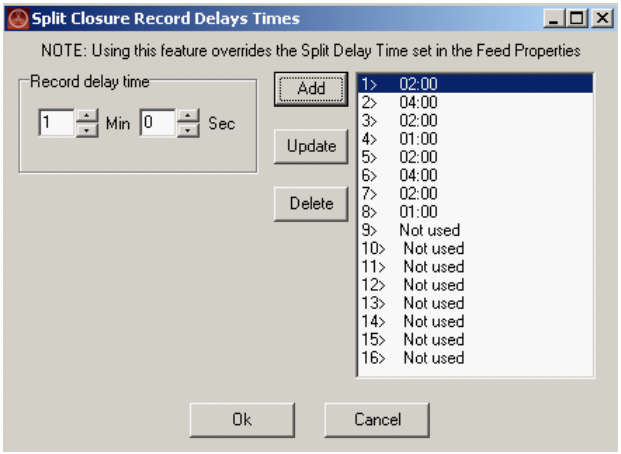
Place the time of the first local break in the "Record delay time" window and click on "Add". This value should now be the first in the list displayed.



Since each hour is the same, the second hour will be a repeat of the first.

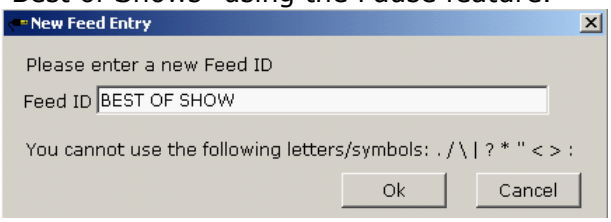


When complete, click "OK".

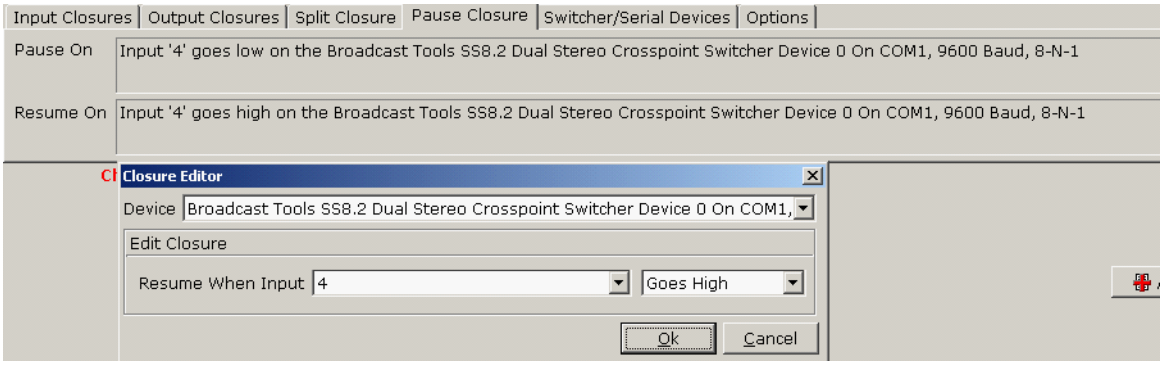


© 2010 OMT Technologies

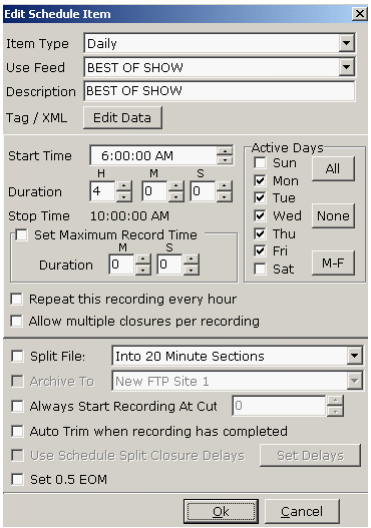
"Best of Shows" using the Pause feature.



Create a new feed as with the example above. Select the OMT Database and appropriate category under File Properties of the Feeds page. Unfortunately, you must have an OMT database/automation system to use the "Pause" feature.


Input Closures
Output Closures
Split Closure
Pause Closure
Switcher/Serial Devices
Options
Pause On
Input '4' goes low on the Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1, 9600 Baud, 8-N-1
Resume On
Input '4' goes high on the Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1, 9600 Baud, 8-N-1
Closure Editor
Device
Broadcast Tools SS8.2 Dual Stereo Crosspoint Switcher Device 0 On COM1,
Edit Closure
Resume When Input
4
Goes High
Ok
Cancel

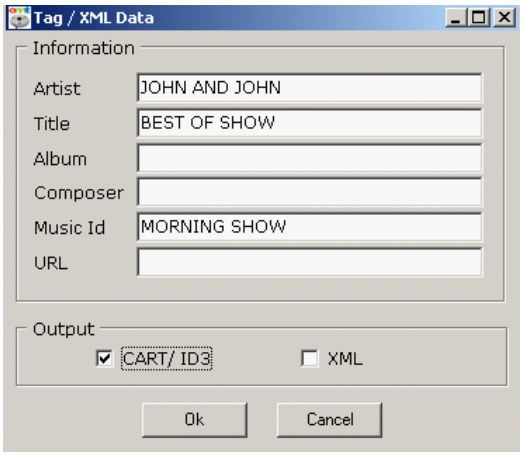
Select an appropriate Input Closure value on your SS4.2/SS8.2. I have chosen Input Closure 4 for this example to be "active" when low and to "pause" when high.
Select the Schedule tab from the main Logger window and right click in the Daily window and select "Edit". I want to record between 6 AM and 10 AM only PLUS I want to have only the audio that was activated by closure. I will have one single audio files recorded over the four hours that will most likely be well under an hour in length since it will only be the talent and no dead air spots over the four hours scheduled.



© 2010 OMT Technologies

You can also Cart tag the audio if it is an MP2/PCM category you have selected. If you have chosen an MP3 category, ID3 information will be applied to the cut. You can also XML tag the file if you are creating a Pod Cast or sending to the WebSecure+ appliance for automated Pod Casts and Archiving.

NOTE: XML tagging must have the "Archive To" enabled along with a valid ftp location previously configured.



© 2010 OMT Technologies

For Media Touch system support:

OMT Support

1-800-726-2635

support@imediatouch.com

To report a bug or place a feature request:

QA and Product Management

rlandry@imediatouch.com

To purchase Media Touch Software:

Jackie Tetlock

Sales Manager

Jtetlock@imediatouch.com

To purchase Media Touch Support:

Brenda Barteaux

Support Administrator

supportadmin@imediatouch.com

© 2010 OMT Technologies

1.11.4 WDT 500 "Watchdog" Card

“HOW TO” SERIES

HOW TO INSTALL THE WDT 500 “WATCHDOG” PCI CARD WITH LOGGER

Revised February 2010

© 2010 OMT Technologies

OVERVIEW

The PCI WDT 500 card is an industrial I/O card that is primarily used to reset the PC in the event the there is no activity on the PCI bus in your ONAIR or Logger computer.

The WDT 500 card is solid and reliable and is designed for mission critical applications where a single computer must continue running and there is no other failover computer or mechanism available.

The card can be interfaced to control external logic such as auto dialers, warning buzzers, trouble lights, etc. in addition to the internal reset function for additional value.

Be sure to read or download a copy of the user manual for the PCI WDT 500 card to ensure you have a thorough understanding of its functions and requirements. You can obtain a copy of the manual and software installer from: us.kontron.com

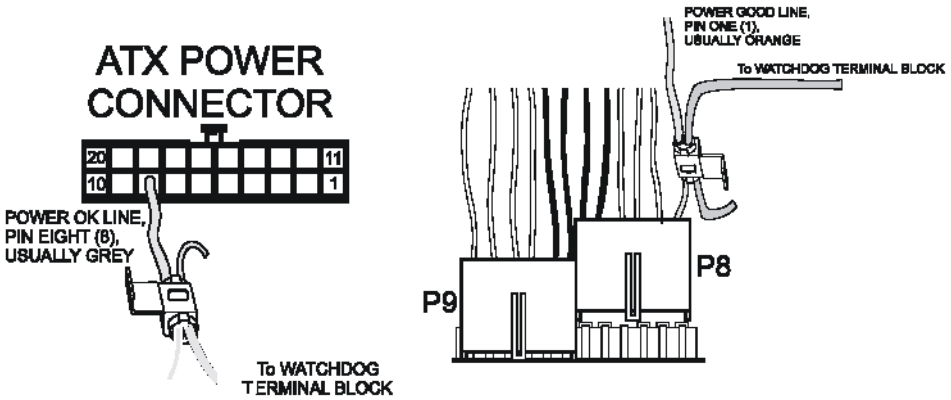
We hope you find this installation guide useful.

OMT Support Team

© 2010 OMT Technologies

HARDWARE INSTALLATION

Power down the computer you wish to install the card into and remove the cover. Install the PCI WDT 500 card into a suitable PCI slot and ensure the card is seated and free of wire or cable obstruction. Find the following power supply wire as per the outline from the PCI WDT 500 guide.



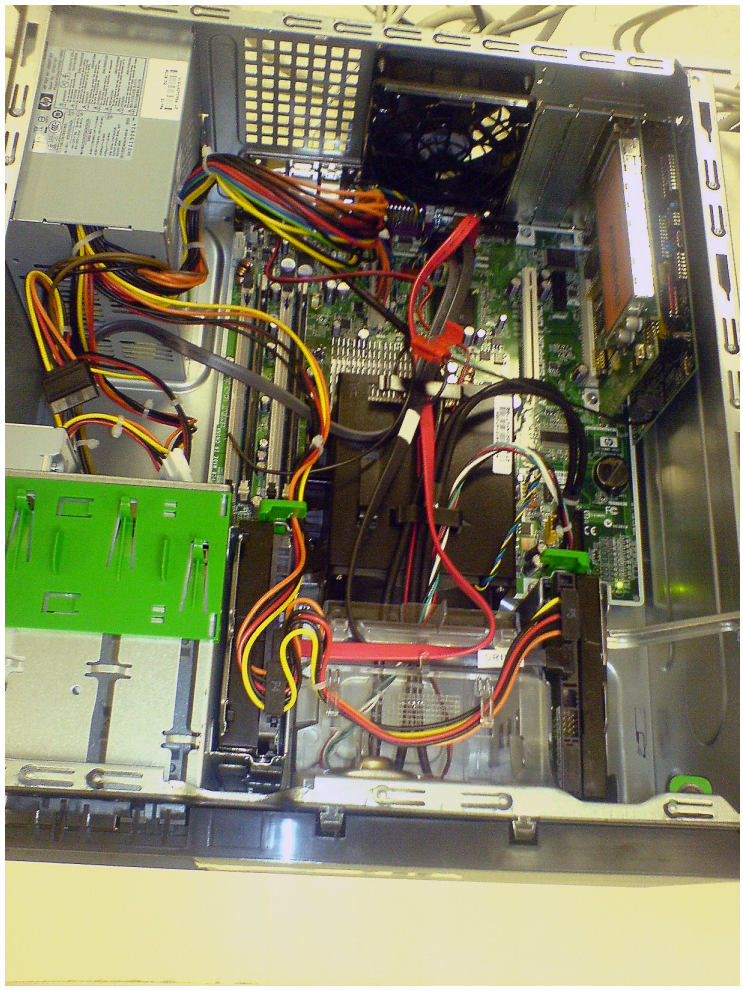
The ATX pin out will be the same on the current 24 pin power connectors with exception of four additional wires. The "Grey" wire should still be in the same location at Pin 8.

The diagram to the right is for older AT type power supplies used with early Pentium series computers.

Special Notes:

Prior to installing your PCI WDT 500 card, ensure your computer has a sufficient number of PCI based slots as most newer computer manufacturers only supply 2 PCI 2.0 type slots on the motherboard of a workstation class PC. If you have an audio card, closure card, and the watchdog card you will be short a PCI device.

© 2010 OMT Technologies

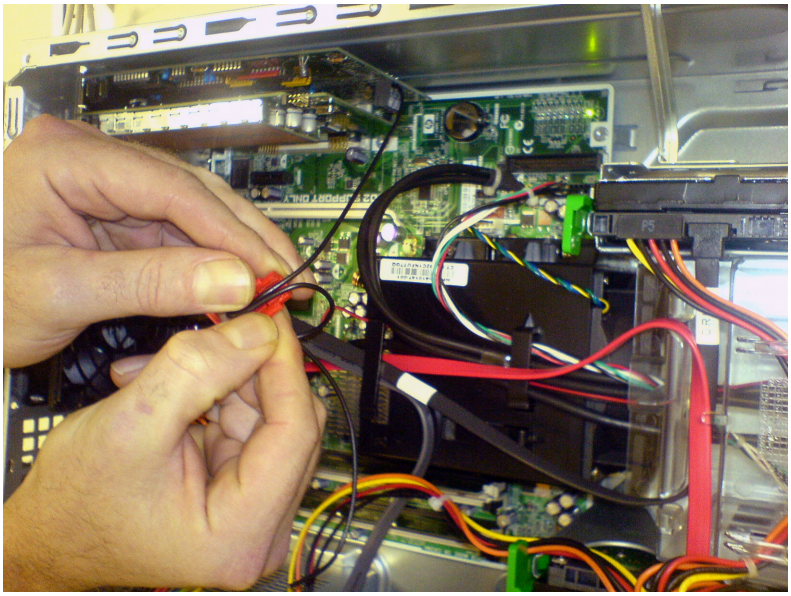


The following screen shot to the left shows the contents of an HP Compaq 5700 series computer with card installed only (no wiring).
After you have removed the side cover from the computer, install the WDT 500 card in a suitable location. This computer also contains an ASI 5111 sound card.

The reset cable that is supplied with the WDT 500 has been looped over the cable hold on the air flow cover of the PC until ready for connection.
The PCI WDT 500 card supplies the reset cable and a “Scotchlock” or “Wire clamp” for connecting to the reset wire of your computer.

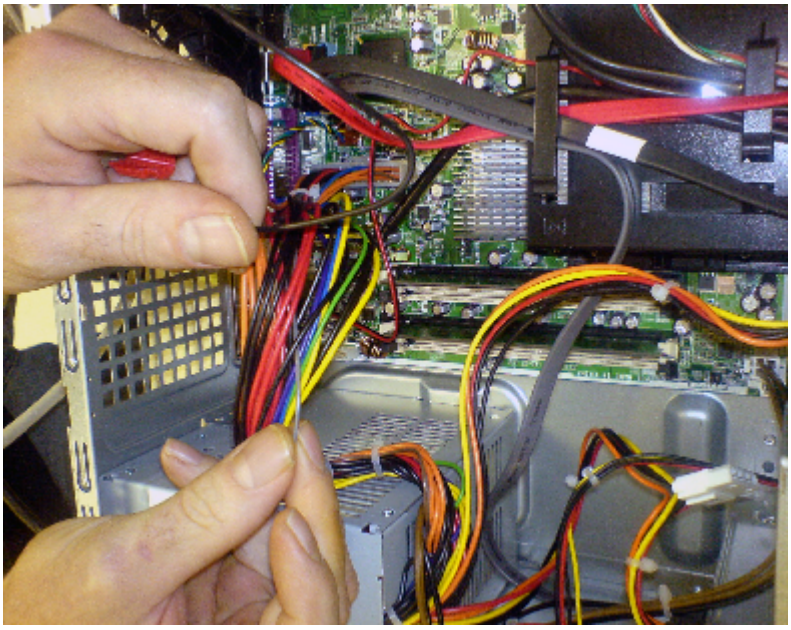
© 2010 OMT Technologies

When ready, open the wire clamp and pull the excess loop out.

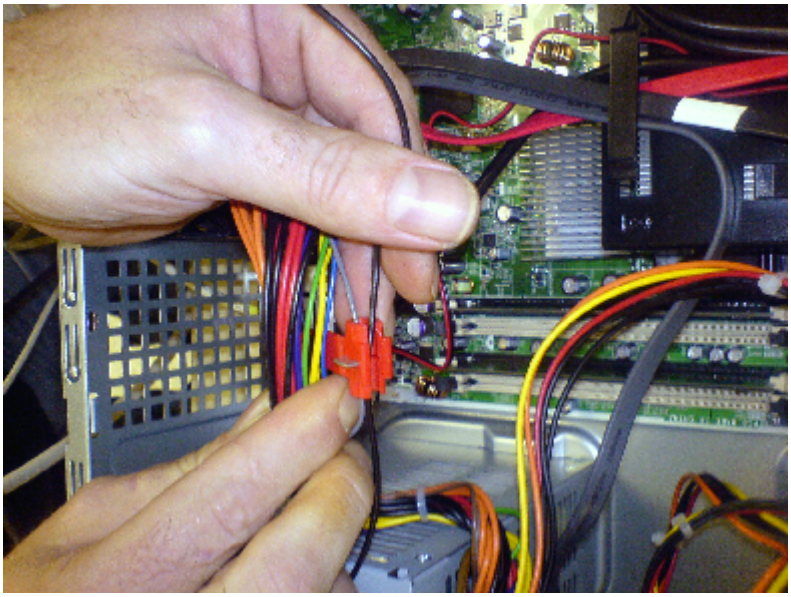


© 2010 OMT Technologies

Locate the "Grey" wire on the ATX power connector and it should match the pin out specified by the WDT 500 user guide.



Place the "Grey" wire to the inside channel of the Wire Connector and the closure wire to the outside channel. Allow for enough cable to tie down securely and without pinching or straining the card or other cables. Use pliers to crimp the connector and fold the plastic lip.

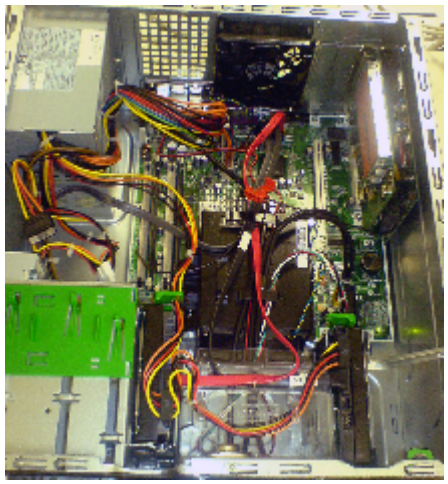


© 2010 OMT Technologies

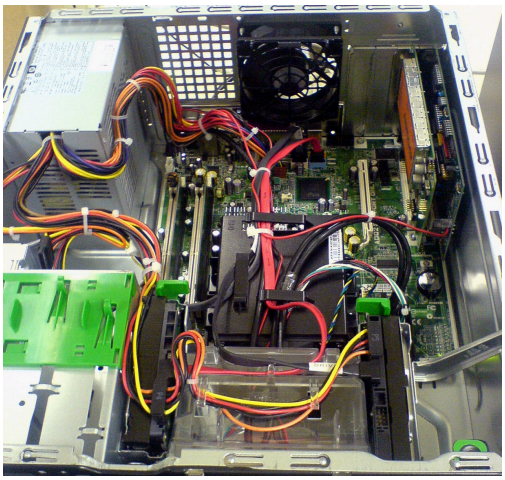
Use several cable ties to bundle wires neatly and allowing for maximum air flow inside your computer chassis.

Special Notes:

The lead supplied by Kontron on the WDT 500 card will come with either a red or black control wire pre attached on the "WDRST" terminal. The "After" shot below was taken from a second computer that required a WDT 500 card.



Before



After

The reset wire that comes pre-attached will be connected to the WDRST lug. The /WDRST would provide an inverse condition if additional logic is required to flag or control other devices.

You are now ready for the software installation. Upon starting the computer, you will see a "Found New Hardware" where you can cancel and install the Kontron software from CD or Website first.

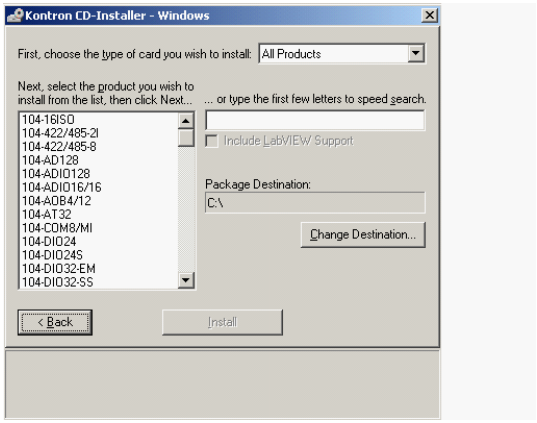
© 2010 OMT Technologies

Software Installation:

You can use the disk that Kontron has provided with the card or simply go to their website at http://us.kontron.com and select the download section for the WDT 500 software.

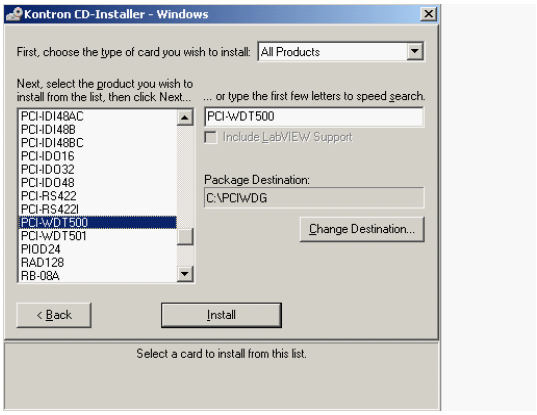
From the CD:

Place the Kontron CD in your computer and "Install Software To Hard Disk" after the auto installer screen appears.

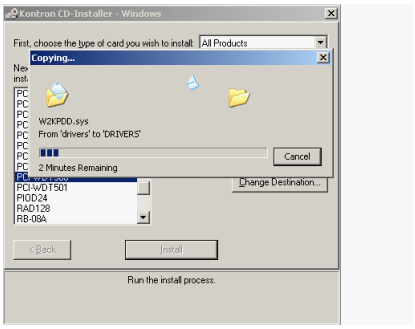


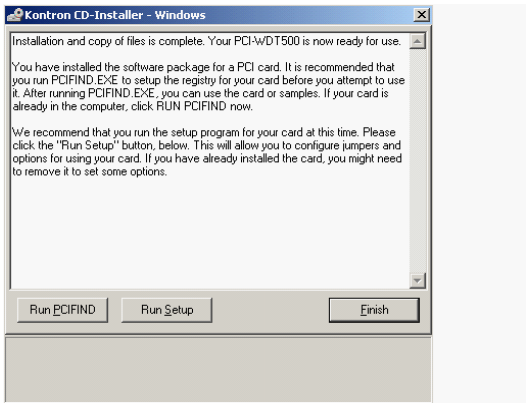
Once the software has been installed to disk, you will see a scroll through library window.

© 2010 OMT Technologies



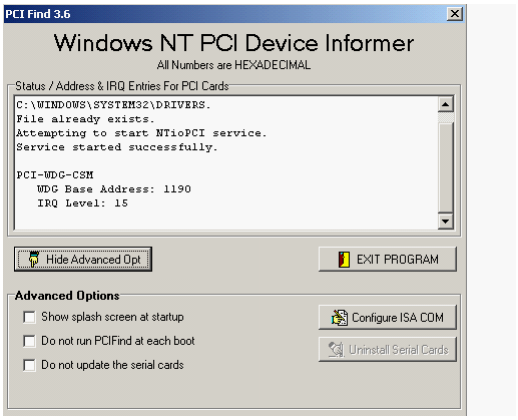
Select the PCI-WDT 500 from the scroll through library then select "Install".




Kontron CD-Installer - Windows
Installation and copy of files is complete. Your PCI-WDT500 is now ready for use.
You have installed the software package for a PCI card. It is recommended that you run PCIFIND.EXE to setup the registry for your card before you attempt to use it. After running PCIFIND.EXE, you can use the card or samples. If your card is already in the computer, click RUN PCIFIND now.
We recommend that you run the setup program for your card at this time. Please click the "Run Setup" button, below. This will allow you to configure jumpers and options for using your card. If you have already installed the card, you might need to remove it to set some options.
Run PCIFIND
Run Setup
Finish

Upon the completion of the install download, run "PCIFIND".
This will install the card to the Windows Registry and iMediaTouch software will recognize the card.

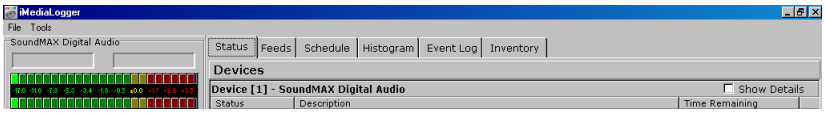
© 2010 OMT Technologies



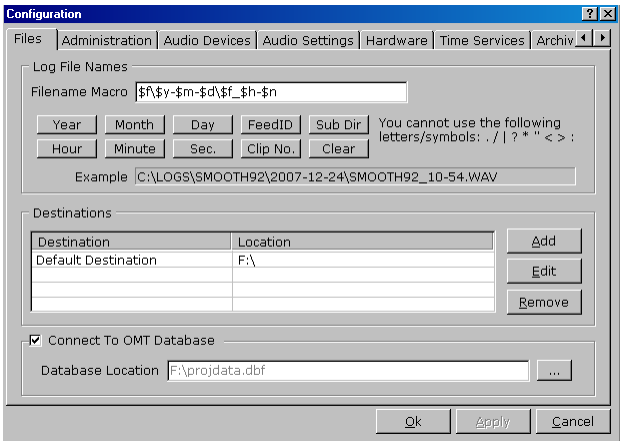
Once you have select "PCIFIND" the screen on the right will appear. You should see a valid IRQ and base address with no error messages.
Reboot the computer and "Allow Windows to Install Software Automatically" upon detection of the Kontron WDT 500 card when the computer returns to the Desktop. Your card should now be ready for use. You can also go to the Device Manager in Windows to verify the card is installed properly.

Setup for Logger:

Follow the same software installation procedures as outlined earlier in this guide and when complete, launch the Logger program and select "Tools" from the top left corner of the main screen.



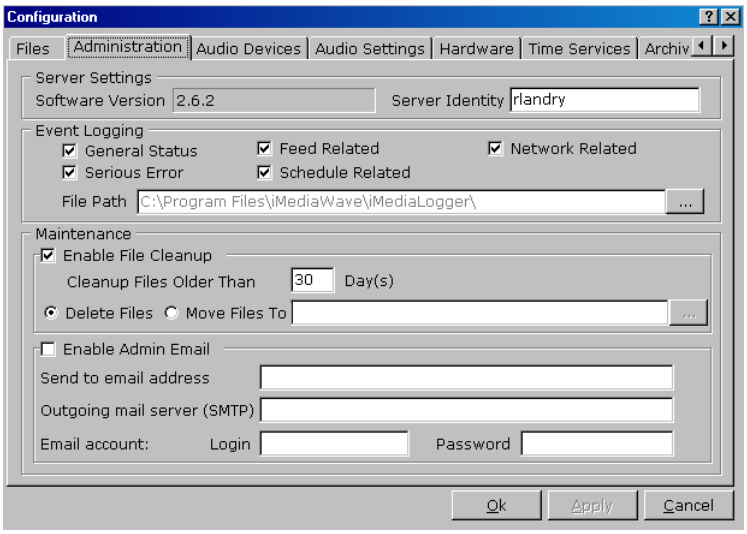
Then select "Configure".



© 2010 OMT Technologies

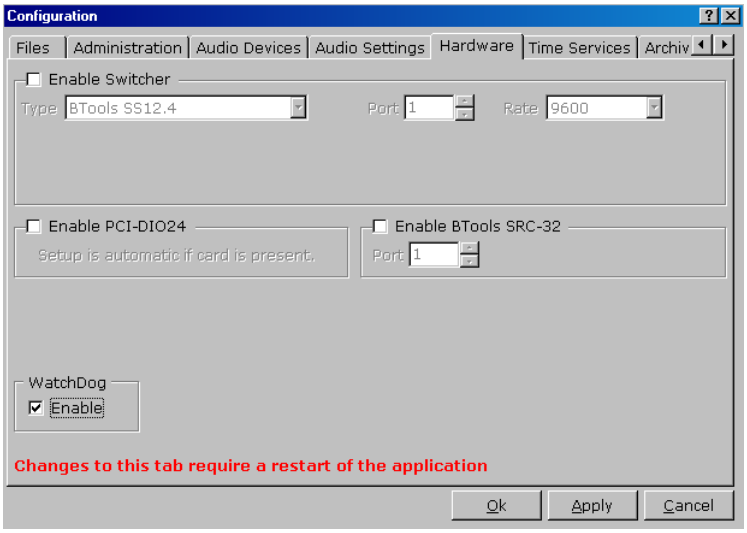
You will see the "Files" tab by default of the "Configuration" screen.

Now select the "Administration" tab and enable all event logging.



By enabling all event logging from this window we can check the "Event Viewer" from the Logger main window and verify that the WDT 500 watchdog card is recognized and working.

Now select the "Hardware" tab and enable the WDT 500 card.



© 2010 OMT Technologies

Click "Apply" then "OK" then restart the Logger application.
Upon the restart of the Logger application, go to the "Event" tab from the main Logger screen and note the start up sequence outlined in text display.

You should see a valid WDT 500 device enabled. If there is an issue with the WDT 500 card installation or the Kontron driver, you will see this in the Event viewer.

```
schedule manager started OK
07/12/24 - 10:57:32 - [STATUS]Archive Manager::Starting
07/12/24 - 10:57:33 - [STATUS]AutoFileTrim::Stop() succeeded
07/12/24 - 10:57:33 - [STATUS]AutoFileTrim::Start() succeeded
07/12/24 - 10:57:56 - [STATUS]Watchdog: Inactive, possibly missing DLLs
07/12/24 - 10:58:50 - [STATUS]*************** iMediaLogger Booting
```

And a correct installation:

```
schedule manager started OK
07/12/24 - 10:57:32 - [STATUS]Archive Manager::Starting
07/12/24 - 10:57:33 - [STATUS]AutoFileTrim::Stop() succeeded
07/12/24 - 10:57:33 - [STATUS]AutoFileTrim::Start() succeeded
07/12/24 - 10:57:56 - [STATUS]Watchdog: Start() succeeded
07/12/24 - 10:58:50 - [STATUS]*************** iMediaLogger Booting
```

For further assistance and contact information see the following page. We hope you find this guide useful brought to you by the OMT support team.

© 2010 OMT Technologies

For Media Touch system support:

OMT Support

1-800-726-2635

support@imediatouch.com

To report a bug or place a feature request:

QA and Product Management

rlandry@imediatouch.com

To purchase Media Touch Software:

Jackie Tetlock

Sales Manager

Jtetlock@imediatouch.com

To purchase Media Touch Support:

Brenda Barteaux

Support Administrator

supportadmin@imediatouch.com

© 2010 OMT Technologies